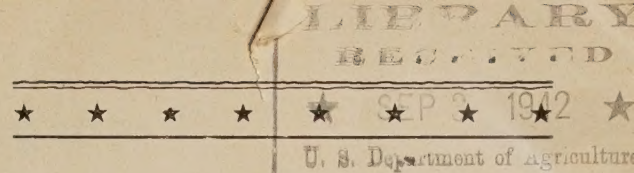
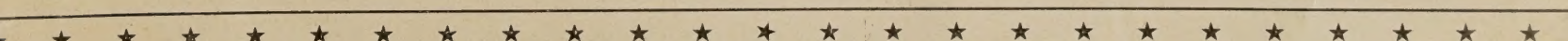


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ESTABLISHED SINCE 1879



Greetings to Garden-Lovers Everywhere

It is my intention to make firm friends of every person who entrusts me with an order. I have thousands of such friends now, and I fully expect to add you, the first-time reader of this catalog, to that list.

To do this I must first of all be truthful, and grow good plants and deliver them to my customers in good condition. But, in addition to this primary service, it is my practice to give close study to my customers' needs and problems, to give planting directions which will be very helpful, and still more, to go as far as a catalog can go in teaching the best use of plants.

If I add that every complaint is met in a spirit of reason, and that I always go farther than I promise in rectifying any errors or oversights, have I not said enough?

The cultural directions in this catalog seem to be much appreciated. To save space they are abbreviated as follows:

Michaelmas Daisies. *Sit.* (situation), sun, *Soil*, any loam. *Pl.* (plant), October to April. *Prop.* (propagate), divisions.

TERMS AND DELIVERY

Delivery Dates: California Bulbs, except Lilies, must be planted in fall and I will not send any of these later than January 1, except Lilies and Orchids may be sent into March; Lewisias any month in the year. All Perennials can be shipped from September 1 to May 1. If ordered early we can retard many things to be delivered later than May 1. *Semperviviums* and *Sedums* can be sent throughout the year.

At the Terraces the season is fully six weeks later than about San Francisco Bay or Southern California. Plants like *Phlox* or *Delphiniums*, which are a foot or more high there in early April, are, as a rule, about as dormant on April 1 here as in winter. Our stock is in excellent shipping condition until early April. In fact, I have had shipments dug in Vermont after spring opened which were further advanced than the same things in the open ground here. This is because we have many cold nights until early April, and the cold winds harden and retard growth.

CALIFORNIA CUSTOMERS NOTE!

California law requires that 3% Retail Sales Tax be paid on every purchase. Please add 3% to your order before making remittance. If omitted we must tell you about it before making shipment.

A REGRET!

I must discontinue the offering of ANNUAL FLOWER SEEDS. Much as I regret it, conditions due to war and labor shortage have made it impossible to handle so many lines.

I will continue to offer my life-long specialty, California Wild Flower Seeds (see page 3) and the seeds of perennials that are listed along with the plants.

I will also continue to offer a very few seed specialties in the same extra select strains for which my customers have depended upon me for some years. See pages 12 and 30.

HARDINESS OF STOCK IN THE EAST AND FAR NORTH

The hardiness of all of our California and West American Bulbs in even the coldest parts of this country has been well proven. You need have no fear of success with them if you will follow the cultural directions always sent with the bulbs and given in this catalog. *Calochortus* and *Brodiaea* bulbs are best dug after flowering and stored dry for replanting in fall. All others may be left in the ground.

Unless specially excepted in the description of a given subject, all perennial and rock garden plants offered are hardy anywhere in America.

IN THIS CATALOG I introduce the color plates as nearly as possible with the reading matter. In some cases this puts subjects out of the familiar alphabetical order but I am sure you will approve.

A few fine things we have had to drop but we still grow them. If you do not find what you want a postal card request will either price it for you or tell you where it may be had.

PLEASE USE THE ORDER BLANK I PROVIDE. IT HELPS US AND SPEEDS DELIVERY. ADDITIONAL BLANKS SENT UPON REQUEST.

Quantities. Six of a sort at the dozen rate. Less at single rates, except where rate per 3 is given.

Remittances can be made by personal check, money order, or, if less than one dollar, in stamps.

Carriage. The price of every item, except a few shrubs, includes postage prepaid. Express rates are much higher for small shipments and if expressly ordered sent via express the carriage charges will be your expense but extra plants are added to cover what the postage charges would have been. Safe delivery to any point is guaranteed. In case of loss, we reserve the right to replace goods.

Quality of Stocks. I do not grow potted plants, and the stock that I send out is all field-grown, hardened, and stocky. I do not believe that better plants are sent out by anyone in America. This may not be true of every item, for in growing over 700 items some may fail to grow to expectations, but I think that it is true of by far the larger number.

Errors of any sort are carefully corrected. Do not complain to your friends if something seems wrong, but come straight to me.

If upon receipt of a shipment there are any shortages, please do not make complaint for at least four days. In the rush times our office cannot keep pace with shipments and credits, and explanations may be delayed a mail or two.

"GOOD WILL is the disposition of the pleased customer to return to the place where he has been well treated."—*U. S. Supreme Court.*

TO THOSE WHO WOULD VISIT MY GARDENS

My gardens are nine miles from Ukiah, part of the distance over a steep mountain grade, but a road that will give no concern to anyone used to mountain roads. Visitors are always welcome, but it is requested that you telephone before leaving Ukiah, so that someone will be on hand to attend you.

INDEX

In this catalog you find my combined offerings of bulbs, plants and seeds. The catalog is divided in three sections. 1. California Bulbs. 2. Hardy Perennial and Rock Garden Plants and Seeds. 3. Seeds of Annuals, California Wild Flower Seeds, and specialties.

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SECTION 2.

Pages 13 to 29.

Perennial and Rock Garden Plants and Seeds will be found in this section arranged in alphabetical order, with cross references to common names so that the list is an index in itself.

SEEDS OF ANNUALS. Pages 12 and 30.

CALIFORNIA WILD FLOWER SEEDS. Page 3.

SEE PAGE 31 FOR SOME UNUSUAL SHRUBS.

"If your plants are anything like your catalog they must be well worth while. The catalog is the most explicit one that I have ever read."

CALIFORNIA WILD FLOWER SEEDS

California is unrivaled in the number and beauty of its wild flowers but it is the colorful annuals that so attract visitors and I offer the loveliest of these. These lovely annuals have two most valuable uses:

1. As Garden Annuals they vie with the World's finest and should be in every garden. Dainty, colorful and lasting as cut flowers and in the garden and most easy to grow. Sow when and just as you would hardy garden annuals in boxes or easiest where they are to bloom.

2. For naturalizing, beautifying vacant lots and odd spaces nothing excels or gives more lasting effects. (It's useless to sow among weeds or grass,—I do not sell seeds for that). Hoe off weeds and dig two inches deep,—plowing or spading will greatly enhance results. In East and at Lake Tahoe sow as early as you can in Spring and up to June 15. In California and mild regions, where unwatered, Oct. 1 to Feb. 1; early Fall is best. Where watered up to May 1 and watering will prolong bloom into August.

(Full cultural directions accompany seeds.)

Quantities: 5 lbs. per acre; 1 lb. 5000 sq. ft.; 1 oz. 200 sq. ft.

($\frac{1}{2}$ oz. sold at ounce rate.)

ABRONIA Umbellata "Sand Verbena." Low masses of fragrant lilac-rose Verbena-like flowers all summer. Prefers light soil, full sun. Flowers all summer. Pkt. 10 cts.; oz. 70 cts.

BARTONIA Aurea. "Blazing Star." 2-3 ft. Large cups of pure gold with orange center, it is a spot of splendor in any garden. Pkt. 10 cts.; oz. \$1.

CALANDRINIA Menziesii. 6 in. Spreading plants with cups of rose red. Sun. Pkt. 15 cts.

COREOPSIS Stillmanii. 1-2 ft. Foliage fine cut. Very large deep yellow flowers. There is no finer single Coreopsis. Pkt. 10 cts.; oz. \$1.

CLARKIA Concinnum "Red Ribbons." 8 in. Large flowers of deeply lobed and shredded petals of rose-red. A gem. Pkt. 10 cts.; $\frac{1}{4}$ oz. 60 cts.

COLLINSIA BICOLOR. 8-12 in. Flowers in whorls are bright rose, tipped white. Lovely in sun or half shade. Pkt. 10 cts.; oz. 75 cts.

DOWNINGIA Pulchella "Lobelia." 4 in. Fascinating Lobelia, blue, with lower lip creamy. A gem for the sunny border or rock garden. Pkt. 20 cts.

ESCHSCHOLTZIA "California Poppy." The flower that gave California its name "Golden State." Loveliest varieties are:

Californica. The large brilliant golden orange blooms that adorn our hills and fields in such profusion each spring. Pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.25; per lb. \$2.50.

Maritima "Golden West." is as lovely; the color golden yellow with the center deep orange. Pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50.

FLOERKIA Douglasii "Meadow Foam." Spreading 6-8 in. Large cups are yellow at center, cream at edges. Likes moisture. Pkt. 10 cts.; oz. 75 cts.

GILIA Capitata "Queen Anne's Thimble." 1-2 ft. Branching plant. Lovely soft blue flowers. Late. Pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.25.

GILIA Dianthoides "Fringed Gilia." 3 in. Bright rose dianthus-like flowers, fringed at edges. A delight for rock garden or a sunny spot. Pkt. 25 cts.

GILIA Linifolia. Flat heads of lovely Phlox-like flowers. Fine for cutting. Lilac or White. Pkt. 10 cts.; oz. \$1.

GILIA Tricolor "Birds' Eyes." 8 in. Charming Phlox-like flowers of smoky lilac with yellow halo, center purple. Pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.25.

GODETIA Amoena "Farewell to Spring." 15-24 in. Slender branching erect stems. Large flowers of silvery-rose, red blotched at center. Pkt. 10 cts.; oz. 60 cts.

LUPINUS Nanus "Dwarf Blue Lupine." 6-10 in. Flowers rich blue, tipped white. This with California Poppy makes our pattern of "Blue & Gold." Pkt. 10 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25; per lb. \$3.00.

NEMOPHILA. Charming low plants, the flowers open cups an inch across. Grand bedding plants.

Insignis. "Baby-Blue-Eyes". Deep blue with lighter center.

Insignis Alba. The glistening white so needed in contrast to brighter colors.

Maculata "Five Spot." White, the tip of each petal spotted purple.

Atomaria. Very dark blue and most lovely.

Discoidalis. Very dark red with entire outer rim of flower edged white. Unique and attractive.

All Nemophila. Pkt. 10 cts.; oz. 40 cts.; $\frac{1}{4}$ lb. \$1.25; per lb. \$3.

PAPAVER Californica "California Wind Poppy." 15 in. Slender stems; the flowers like fluffs of brilliant orange-scarlet silk. Stands drouth. Pkt. 15 cts.

PHACELIA Campanularia "Bell-flowered Phacelia." 6-15 in. Delightful open bells of intense blue. Pkt. 10 cts.; oz. 70 cts.

PHACELIA Viscida. 1-2 ft. Cups of a most divine gentian-blue smother the plants for months in Summer. The most admired annual in my garden. Pkt. 10 cts.; oz. 70 cts.

PHACELIA Tanacetifolia "Wild Heliotrope." 18 in. Much curled head of lavender. Favored by bees. Pkt. 10 cts.; oz. 35 cts.

PLATYSTEMON Californica "Cream Cups." 6-10 in. Flowers are rich cream colored tiny poppies. Lovely. Pkt. 15 cts.

SALVIA Carduacea "Thistle Sage." 1-2 ft. Attractive woolly, thistle-like foliage and large heads of lavender-blue. A most lovely flower. Full sun. Pkt. 10 cts.; $\frac{1}{4}$ oz. 30 cts.

SPECIAL: Your choice any 12 10c pkts. for \$1.

CALIFORNIA FLOWER GARDEN. My personal selection, 13 pkts. \$1.

PURDY'S SUPREME WILD FLOWER MIXTURE. A personally prepared blend from separate named varieties based on my long experience in wild flower sowing of what will do well in all localities.

Oz. 60 cts.; 2 ozs. \$1; $\frac{1}{2}$ lb. \$2.35; lb. \$4.50.





*Calochortus Amabilis, C. Amoenus,
C. Albus*

LOVELY GLOBE TULIPS

(*Calochortus*)

Words convey only a faint idea of these flowers. Their form is similar, but there is a great difference in color. All are exquisite in tints and the perfection of grace in form. The plants are rather tall and slender, with leaf-wrapped stems of odd shape. They are natives of woodlands, delighting in loose soil and liking leaf-mold and light shades. At the same time, most of them will do well in heavy soils, and are fine subjects to naturalize among rocks or in shaded woods. In the East, as well as the West, they succeed very well if given the care suggested in cultural directions.

Flowering Time of Globe Tulips is late March to early May, according to locality.

These bulbs may be planted Sept. to Dec. only.

Albus, Fairy Lanterns. Growing up to 18 inches tall the well-branched plants bear many of the lovely lantern-like flowers which are a pure satiny white. Each 5 cts.; 50 cts. per doz.; \$3.50 per 100.

Amabilis, Diogenes Lanterns. The picture shows but a small measure of its loveliness. The well-branched stems are 15 inches high, bearing many of the rich deep yellow flowers. Each 5 cts.; 50 cts. per doz.; \$3.50 per 100.

Amoenus, Pink Lanterns. This grows not quite so tall, 8 inches, and the exquisite flowers are a soft rose-pink. Each 7 cts.; 70 cts. per doz.

Globe Tulips Mixed. 50 cts. per doz.; \$3.50 per 100.

Globe and Star Tulips in Mixture at same prices.



*Calochortus Lilacinus, C. Maweanus Major,
C. Maweanus Purpurascens, C. Benthamii*

JAUNTY STAR TULIPS

(*Calochortus*)

Slender woodland plants well shown in picture above. Fine for naturalization in rock work and woodland.

Flowering Time of Star Tulips. March-April, according to locality.

These bulbs may be planted Sept. 1 to Dec. 1 only.

Benthamii. 3 to 8 inches high, with bright yellow flowers, often marked black at base. 5 cts. each; 50 cts. per doz.; \$3.50 per 100.

Maweanus Major. See halftone above. Larger than last and white with soft lavender hairs, thick on inner surface. 5 cts. each; 50 cts. per doz.; \$3.50 per 100.

Maweanus Purpurascens. Flowers of deep violet purple. Same price.

Maweanus Roseus. More slender and a soft lilac-pink. Same price.

Lilacinus is not a woodland plant, but grows in meadows which are wet in winter and very moist until after the flowering season. The plant grows to 8 inches with many very fine lilac flowers which open full, and fragrant and handsome. Of easy culture either here or in the East and quite hardy. Any garden soil, preferably a sandy loam. 5 cts. each; 50 cts. per doz.; \$3.50 per 100.

Star Tulips Mixed. 50 cts. per doz.; \$3.50 per 100.

Six of one kind at dozen rate; 50 of one kind at 100 rate.

Gilias and Nemophila are fine ground covers for these bulbs. They give bloom both before and after the *Calochortus*. See page 3.



Charming Mariposa Tulips

MARIPOSA OR BUTTERFLY TULIPS

(*Calochortus*)

My picture gives but a sketchy idea of the grace, charm and loveliness of color found in this flower. Early Spanish explorers called them "Mariposa", their word for Butterfly, because the spots and markings resembled those on a butterfly's wings.

Cup-shaped flowers, 4 to 6 inches across when full open, marked with eyes and dots and pencillings in richest colors are characteristic. Long stems make them excellent cut flowers. Plant in sun or light shade. They flower May-June.

Bulbs may be planted Sept. 1 to Dec. 1 only.

Venustus Citrinus. A most satisfactory hardy species with deep rich yellow flowers with a black eye. Most excellent. 6 cts. each; 60 cts. per doz.; \$4 per 100.

Venustus El Dorado. One to many flowers on graceful stems 1 to 2 ft. high, marvelous in the variety of color and markings. In a mixture scarcely any two are alike—white, lilac to purple, pink to claret. White predominates, yet each of these is tinted and marked in wide variation. Mixed Colors, 6 cts. each; 60 cts. per doz.; \$4 per 100.

Venustus Oculatus, like *Citrinus*, but wonderfully varied in whites and creams, more or less tinted purple, and with very rich eyes. I have had the flowers 4 inches across. The plant is a good grower, and the flowers are most satisfactory. 6 cts. each; 60 cts. per doz.; \$4 per 100.

Vesta. Simply superb, this species is taller with more and larger flowers which are white, flushed lilac or rose and at the center there is either a large spot or a broad zone of rich velvety brown. Very Large Bulbs, 10 cts. each; \$1.00 per doz.; \$7.50 per 100. Fine Bulbs, 7 cts. each; 70 cts. per doz.; \$5 per 100.

(Six of one kind at dozen rate; 50 of one kind at 100 rate.)

"Get Acquainted" Collection Mariposa Tulips. Six each of 4 varieties, named separately, 24 bulbs for \$1.10.

MARIPOSA TULIPS IN MIXTURE. A mixture of fine Mariposa Tulips for 50 cts. per doz. and \$3.50 per 100.

MARIPOSA TULIP COLLECTIONS. I put up collections of four species, 25 bulbs each, 100 in all, named, for \$4, and will supply a half collection for \$2.25.

CALOCHORTUS MIXTURE. Includes "Globe," "Star" and "True Mariposa" tulips. 40 cts. per doz.; \$3 per 100.

Cultural Directions are inclosed with all bulbs.

Greencastle, Penna.: "The flowers I received from you last spring were packed so well that they arrived in better condition than some of same kinds from New Jersey."



Camassia Leichtlinii

CAMASSIAS

Whether on the Pacific Coast, in the East, or in Europe, there are few bulbous plants which meet climatic or soil conditions better, or give a more attractive bloom. They are hardy without protection, and thrive either under ordinary garden conditions or when naturalized in open moist woods, or on the sides of ponds or streams, or in not too dense a grassy growth. In the West they thrive where they are submerged all winter. All Eastern and European customers praise them highly. It is better to plant them not over 4 inches apart in masses of twelve to hundreds. Plant from October to January in any fair soil, and 3 to 4 inches deep. Water liberally when growing and in flower, but it does not matter whether they are dried off afterward or not. The foliage is excellent. Not necessary to lift when done flowering. They can be left alone for years.

Leichtlinii may grow to 4 feet in height and have as many as a hundred flowers. The petals are even and form a perfect star-shaped flower as much as an inch and a half across. The flowers appear in long succession. Reports from delighted customers everywhere justify us in most thoroughly recommending all Camassias for common garden culture. There are two fine colors.

Leichtlinii Blue. The colors in those I now have range from lavender blue to aconite-blue. Very fine bulbs, 8 cts. each; 80 cts. per doz.; \$6 per 100. Immense bulbs for show effects, 12 cts. each; \$1.10 per doz.; \$9 per 100.

Leichtlinii Cream to White. Fine bulbs, 8 cts. each; 80 cts. per doz.; \$6.00 per 100. Note: The white form flowers 2 to 3 weeks later than the blue.

Quamash. Rich deep blue in color and 2 ft. high; they make showy masses in the border or for naturalizing in open spaces. The low price is no measure of their fine quality for I produce them at low cost and price them to you accordingly and no greater bulb value is obtainable. 5 cts. each; 50 cts. per doz.; \$3 per 100; \$25 per 1000.

Camassias are ready from September to December 1. Best planted in late September and early October.

ZYGADENUS

ZYGADENUS Fremontii, called False Camass, is related to the *Camassias*, with the same attractive basal leaves; with stout erect stems bearing a raceme of many yellow flowers an inch across and of real beauty. Hardy anywhere. It is very early flowering, and like the *Camassias*, adapts itself to any sunny spot with loamy soil. 10 cts. each; \$1 per doz.



Allium Cernuum (see page 28)

Brodiaea Bridgesii

Brodiaea Lactea

BRODIAEA

See color plate on back cover for the beauty of these flowers, and half-tone (above) for their graceful habit.

Brodiaeas have a small bulb producing grassy basal leaves and very slender, but stiff, naked stems bear heads of waxy flowers of great beauty and lasting qualities. All are pretty. They grow exactly like *Calochortus* and their culture is the same as for that bulb. They are very hardy and very easy to grow. In California, they are easily naturalized in almost any soil. Plant them 2 inches deep and leave them alone. They are especially happy in the light shade of deciduous trees, in crevices in rocks, or in rough gritty soils.

Reports from many Eastern points indicate that Brodiaeas are perfectly hardy. Mr. Stephen Hamblin of Harvard Botanic Gardens lists *Capitata*, *Lactea*, and *Laxa* as being absolutely hardy and long-lived. As these do not differ in habits from a number of others, I would extend his remark to include all.

Brodiaeas are easily grown in any well-drained soil, either in beds or in pots or boxes. Cultural directions are inclosed with the bulbs.

Time of Flowering. *B. Capitata* is one of the earliest spring flowers, coming here in March. Other species flower in April and May while *Californica*, *Grandiflora* and *Purdyi* flower into July.

(*Harvest Brodiaeas*). All of the following group must be in full sun. All flower late—late May to July.

Brodiaeas will be shipped Sept. 1 to Dec. 1 only.

Californica is one of the two *Harvest Brodiaeas*, flowering in June to July. The largest and tallest of Brodiaeas, 1 to 2 ft. high, with stout stems, crowned with an umbel of 8 to 12 flowers. Very lasting. Two colors:

Deep Blue, tinted lilac. 5 cts. each; 50 cts. per doz.

Soft Lilac-Pink. 6 cts. each; 60 cts. per doz.

Grandiflora, another *Harvest Brodiaea*, has an umbel of a few large, glossy, purple flowers of much beauty and great lasting qualities. Naturalizes easily in any clay soil, especially if moist. 5 cts. each; 50 cts. per doz.

Eastwoodii. Tall, 18 in., with dense umbels of milky-white, lilac veined flowers. Loves a moist spot where it rapidly increases by bulb offsets to make dense colonies. 6 cts. each; 60 cts. per doz.

Purdyi is low growing, say 6 inches high. The color is reddish lilac and the flower is broadly spreading with tips of petals recurved. Very pretty. 6 cts. each; 60 cts. per doz.

Woodland Brodiaeas. The following do well in sun but are best and last longer in light to moderate shade.

Bridgesii. See No. 3 in color plate, page 43. It is like *B. Laxa*, but with flowers widely spreading and a very fine reddish-violet color. Makes a large umbel, at its best with as many as 50 flowers. Each 6 cts.; 60 cts. per doz.

Capitata is called *California Hyacinth* and has slender stems 6 to 12 inches high, capped with a close cluster of violet-blue flowers. See color plate. 4 cts. each; 40 cts. per doz.

Coccinea or *Floral Firecracker*. The color plate on page 43 gives its wonderfully vivid coloring. The slender stems rise a foot to two feet high and a group mingled with ferns or like foliage plants is most effective. They prefer a loose, gritty soil. Fine bulbs, 10 cts. each; \$1 per doz.

Ixioides splendens is popularly known as *Golden Star*. See color plate. Very handsome often with very many flowers. The finest yellow Brodiaea. 5 cts. each; 50 cts. per doz.

Lactea. See picture, page 4, and No. 8 in color plate. The flowers are cupped and milky white with green mid-vein. Forces easily and most lasting. 5 cts. each; 50 cts. per doz.

Laxa. See colored plate, No. 1. 1 to 2 feet high, with very many fine blue flowers. One of California's finest blue flowers. 6 cts. each; 60 cts. per doz.

Laxa, "Blue King", has deep, almost indigo blue flowers. 7 cts. each; 70 cts. per doz.

Volubilis, the *Twining Hyacinth*, is most interesting of all. The flowering stem begins to climb at once, and may grow up on other plants or bushes to 3 or 4 feet. Flowers are pink and very lasting. See colored plate No. 7. 10 cts. each; \$1 per doz.

Mixed Brodiaeas, 40 cts. per doz.; \$3 per 100.

GET ACQUAINTED OFFER. So that you may know them better I will send Collection, 5 finest sorts, five bulbs each, packed and named separately, for \$1.10.

Brodiaea Collection. 100 bulbs, 5 varieties, my selection, \$3.50; 50 bulbs, \$2.

Brodiaeas per 100. Vars. priced at 50 cts. per doz., \$3.50 per 100; at 60 cts. per doz., \$4 per 100; at 70 cts. per doz., \$5 per 100; at \$1 per doz., \$7.50 per 100.

Six of one kind at dozen rate; 50 of a kind at 100 rate. Cultural directions are inclosed with bulbs.

The above prices are postpaid to your door.

BRODIAEAS. I feel that these lovely and easily grown bulbs should be more planted and appreciated. Pictures do not do justice to them, but they are very charming, very easy, and as cut flowers, wonderfully lasting.

New Zealand, Jan. 1935: "You will be pleased to know that, thanks to your care, not only in packing but in catching a mail boat, the plants arrived in perfect condition without a single loss. The *Lewisias* already look healthy and green and are growing. The *Cypripediums* are in growth and are well out of the ground."

DODECATHEON

DODECATHEONS or *Shooting Stars*, also called *Wild Cyclamens* and *Cowslips*, are among the finest of early flowering plants throughout the West, and are also among the high Alpines of the West. All alike form close rosettes of broad leaves, from which naked stems arise with umbels of Cyclamen-like flowers. They die down by early summer. The dry roots should be planted quite shallow, and 1½ to 2 inches depth is enough. A colony in a pocket of the rock garden is a joy. Except *D. Meadia*, earliest of spring flowers.

Hendersonii, a Californian, has proved hardy in the East. It forms a rosette of handsome leaves and in earliest spring has slender stems with umbels of rose flowers. Handsome and fragrant. Dies to the ground later. Nice clumps, 25 cts. each; 3 for 60 cts.; \$1.50 per doz. Ripe roots, fall planting only, per 100, \$10; per 50, \$5.50.

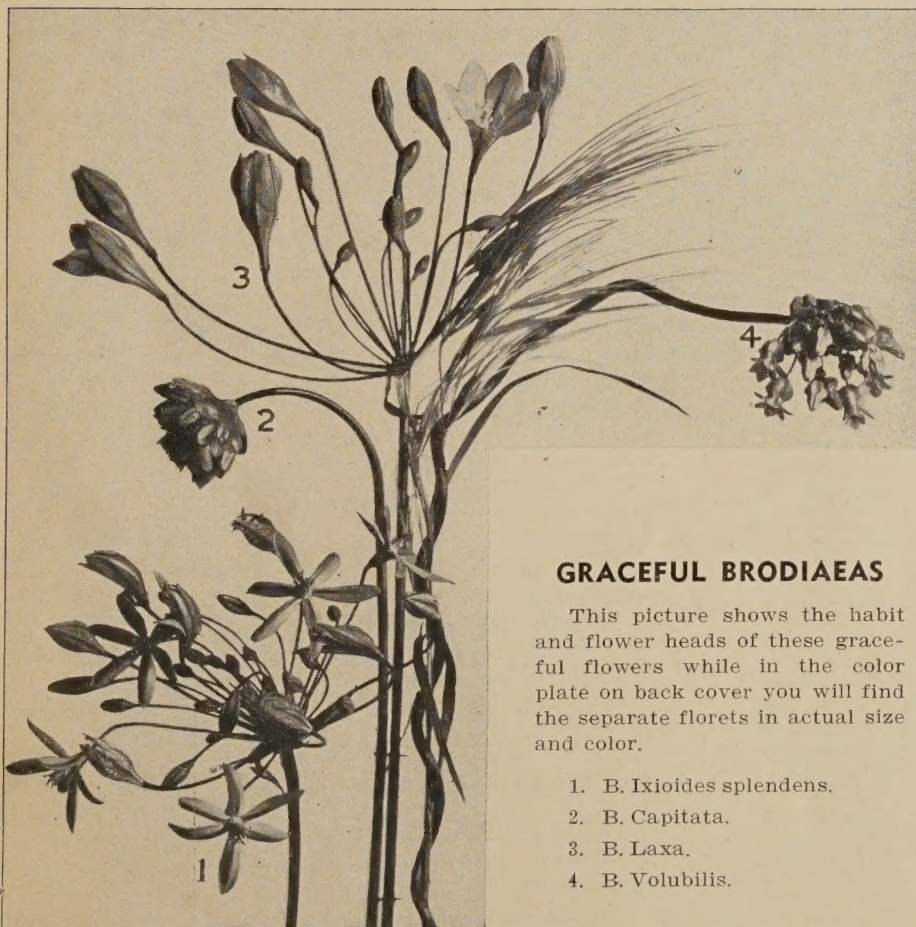
Meadia. I flowered a beautiful form of this, the Eastern *Shooting Star* with which all fell in love. About 1 foot high, with broad basal leaves and rose colored flowers, cream at center and with reddish stamens. It likes a moist well drained soil and a rich loam suits it. Flowers in May or June. 25 cts. each; 3 for 60 cts.; \$2 per doz.

Patulum is a dwarf *Shooting Star* of great beauty and it is a gem for the rock garden. Foliage very low, stems 6 to 8 in. with quite large flowers for the genus, yellow with black beak. 25 cts. each; 3 for 60 cts.

Patulum Rose. Similar to last but very soft rose pink with white halo at center. 25 cts. each; 3 for 60 cts.

CLINTONIA—Red Clinton Lily.

CLINTONIA Andrewsiana. A Californian woodland plant with 5 to 6 broad, emerald green leaves in a rosette 7 to 14 inches across, and a spike 15 to 30 inches high of red lily-like flowers, followed by berries of most intense glossy purple lasting long. One of those plants that is worth a lot of trouble to grow well. Culture: Shade to dense shade. Soil, loam rich in humus and either neutral or acid. Pl., dormant roots in fall only. 30 cts. each; 3 for 75 cts.



GRACEFUL BRODIAEAS

This picture shows the habit and flower heads of these graceful flowers while in the color plate on back cover you will find the separate florets in actual size and color.

1. *B. Ixioides splendens*.
2. *B. Capitata*.
3. *B. Laxa*.
4. *B. Volubilis*.

LEUCOCRINUM

LEUCOCRINUM montanum. "Sand Lily." A lovely hardy plant of the lily family with tufts of grassy leaves above which arise several slender stems 4 to 6 inches high, each carrying a single pure white, fragrant lily-like flower. Cult.: Sun; sandy soil, with good drainage. Plant dormant roots in fall. Plant shallow. 25 cts. each; 3 for 60 cts.; \$2 per doz.



Western Solomon's Seal

SMILACINUS Amplexicaulis, *Western Solomon's Seal*. A quite decorative member of the lily family it forms large clumps with stems one to two ft. long bearing terminal sprays of creamy-white flowers in late spring; followed by cluster of glossy light red berries which persist until frost. Thrives in any shaded situation and splendid in woods or the fern bed. Soil, any. Plant fall only. Cover roots three inches. Each 25 cts.; 3 for 60 cts.; \$2.00 doz.

DISPORUM Hookerii, *Fairy Bells*. The yellow stems are much branched sprays with contrasting bright green leaves and under the tip of each branch hang the clusters of little greenish white bells in spring. These are followed by bright red berries. Desirable for woods, shaded border or fern bed. Plant fall only. Cover roots 3 inches. Give shade and any soil. Each 25 cts.; 3 for 60 cts.; \$2.00 per doz.

STANDARD CYCLOPEDIA OF HORTICULTURE

By L. H. Bailey.

My set has been worth thousands of dollars to me. If I could have but one gardening book it would be this. Stretch your garden budget to include this for the information it gives will save many times its cost through the years. The one universal horticultural authority. Every gardening question answered, every plant listed and described with over 4000 illustrations all arranged in one simple alphabetical order. Three Volumes, Price \$15, express prepaid.

OTHER BOOKS. I can supply all standard books. List on application.

PLEASE! Due to labor shortage and other conditions of the emergency a number of our stocks may be limited. Won't you name several alternate selections which we may send in case some items on your order are sold out?



The delicate tints of *Erythroniums* make them one of the most charming plants in a garden. The varieties here illustrated are: *Giganteum*, *Grandiflorum robustum*, *Citrinum*, *Hendersonii*, *Revolutum* Pink Beauty, *Californicum* White Beauty, *Johnsonii*. (See pages 8 and 9.)

DOG'S-TOOTH VIOLETS — TROUT LILIES

(*Erythroniums*)

Words of praise seem futile with the charm of these delightful woodland subjects so well pictured above. Colonies should be planted in every shaded spot in the garden for with shade, moderate moisture and a woodsy soil they are easily grown and permanent. Perfectly hardy even in the coldest parts of the country. They flower in the West Feb. 15 to April 15; in the East April 1. These Western species bloom profusely the first and every year. *Erythroniums* are shipped Sept. 1 to Dec. 1 only.

FIRST GROUP

Californicum has large cream-colored flowers. Leaves richly mottled. Easy to grow, and a large colony is a beautiful sight. Large bulbs, 5 cts. each; 50 cts. per doz.; \$3.50 per 100; smaller bulbs cheaper.

Californicum Bicolor (*Helenae*), as its name signifies, has two vividly contrasting colors. The outer half of the petals is pure white, the inner bright chrome yellow, while the stamens are a rich gold. All *Erythroniums* have a faint fragrance, but "*Bicolor*" has a pronounced and delicious fragrance, enough so that from a few sprays the fragrance is noted across a room and from a bed in the open instantly catches one's attention. It is an exceptionally good grower. Altogether one of the very best of all. 6 cts. each; 60 cts. per doz.; \$4.00 per 100.

Californicum "*White Beauty*". Lovely, large flowers, white, faintly tinged with cream; usually beautifully zoned with maroon at base. A high authority in Europe considers this the finest of all *Erythroniums*. 7 cts. each; 70 cts. per doz.; \$5 per 100.

Citrinum is rather more erect in habit, with flowers almost pure white with strongly contrasting deep citron on lower third. One of the loveliest of all. 5 cts. each; 50 cts. doz.

Grandiflorum robustum is a superb species with flowers of the brightest buttercup yellow. The leaves have no mottling—just plain green. It always attracts attention. 6 cts. each; 60 cts. per doz.; \$4 per 100.

Hartweggii is as pretty as *Californicum*, with more yellow in the flower, and each flower on a separate stalk. Very early and stands much heat. Good for pots. Large bulbs, 5 cts. each; 50 cts. per doz.; \$3.50 per 100; smaller bulbs cheaper.

Hendersonii. Like *Californicum*, but the flowers are a lovely light purple, with centers a deep maroon, almost black. Most striking. 5 cts. each; 50 cts. per doz.; \$3.50 per 100.

Howellii is related to *Citrinum*, creamy with a yellow tint, but soon turns pink. 6 cts. each; 60 cts. per doz.; \$4.50 per 100.

Tuolumnensis is quite new to both the garden and science. Large leaves, not mottled, and golden yellow flowers. The bulbs are very large and by off-setting form large clumps. Not too free flowering, but very distinct. 10 cts. each; \$1 per doz.; \$7.50 per 100.

REVOLUTUM, DOG'S-TOOTH VIOLETS

The stems are long, the flowers large and exquisitely tinted, often single, never more than four to the stem, and the leaves are mottled in white and green. While the plants thrive in garden loam, they do well in heavy soils which are quite wet in winter. See color plate, page 2.

Lilac-Pink Beauty. This is the exact shade of "*Pink Beauty*" in the color plate. It is lighter than the actual color of the true *Pink Beauty* which will not be available for the "*duration*". Contains a few white sports. 12 cts. each; \$1 per doz.; \$7.50 per 100. Exceptionally strong.

Johnsonii is perhaps the most lovely of all *Erythroniums*. With the stout habit of this group, it has exquisite rose-pink flowers. From the coastal region of Oregon. 10 cts. each; \$1 per doz.; \$7.50 per 100.

Purdy's White is a pure white, rather than a lavender white. It is very richly marked at the base and has an unusually stout stem and large bold flower. An Eastern *Erythronium* lover writes that it was the most admired of all in her collection. 12 cts. each; \$1 per doz.

Praecox (*Oregonum*) is an early blooming unusually fine variety. The leaves are mottled in browns, the flowers are large and of a very fine rich-cream color, richly banded maroon. One of the finest of all. 10 cts. each; \$1 per doz.; \$7.50 per 100.

Cultural Directions are inclosed with all bulbs.

MIXTURES AND COLLECTIONS OF ERYTHRONIUMS

Superfine Mixture of First Group. Made from separate named varieties. 50 cts. per doz.; \$3.25 per 100; \$30 per 1000.

A Fine Mixture of the Revolutum group will be sent at \$1 per doz.; \$7.50 per 100.

First Group, Splendid Collection of 20 bulbs each of five species (100 bulbs), named, for \$3.50. Half collection for \$2.00.

Special 25 bulbs offer, 5 each, 5 varieties, each named, \$1.10.

Collections and mixtures are made from first size bulbs.

NAMED ERYTHRONIUMS FOR NATURALIZATION

We offer a smaller size of **Erythrונים** for naturalizing. Experience in our garden shows that up to 70 per cent will flower the first year. Unusual value.

(Not less than 100 of a kind sold.)

| | 100 | 500 | 1000 |
|---|--------|--------|---------|
| Californicum, Cream | \$1.50 | \$6.00 | \$10.00 |
| Californicum Bicolor, White and Gold..... | 2.00 | 8.00 | 15.00 |
| Citrinum, Cream and Lemon. | 2.00 | 8.00 | 15.00 |
| Grandiflorum, Buttercup Yellow | 3.00 | 12.00 | 20.00 |
| Hartweggii, Early, Creamy.. | 2.00 | 8.00 | 15.00 |
| Hendersonii, Lavender | 2.00 | 8.00 | 15.00 |
| Johnsonii, Rose-pink | 6.00 | | |

A little money spent on Wild Flower Seeds and a very little care will make beauty spots of your old corners. See list, page 3.

A GROUND COVERING FOR ERYTHRONIUM BEDS

TRIENTALIS makes a most delightful covering for these beautiful bulbs. At the top of 4 to 6 in. stems is a circle of very pretty bright green leaves, and on naked stems rising 1 to 2 in. above the leaves are many delightful little soft pink flowers which come after the Erythrונים have flowered, and last several weeks. The fine green foliage persists throughout the summer and makes a fine ground covering after the Erythrונים have died down. **Trientalis** is hardy anywhere. Plant alternately with the Erythrונים and at same depth. May also be used with **Fritillarias** and any other little bulbous plants in shade. 40 cts. per doz.; \$1.25 for 50; \$2 per 100. Fall shipment only.

FRITILLARIAS

These bulbs are shipped Sept. 1 to Dec. 1 only.

FRITILLARIAS are lovely bulbous plants of the West belonging to the lily family, and bear such appropriate local names as "Mission Bell", "Red Bell", "Yellow Bells" and "Brown" or "Chocolate" lilies. They flower March-April, according to locality. Since the character and requirements vary so much I must for clarity divide them into two groups.

FRITILLARIA SPECIES

GROUP 1

Group 1 Fritillaria are woodland plants and must be in shade. The stems somewhat like those of a true lily are tall and leafy. They require a well drained woody soil and are quite easily grown. They have the habit of resting a year or two after flowering so only a part of a planting may be expected to flower any year. Those resting have no stem but have a broad single ovate leaf flat on the ground. The finest are:

Lanceolata is from 1½ to 3 ft. high, with a few to many flowers. They are green and brown, mottled prettily. 10 cts. each; \$1 per doz.; \$7.50 per 100.

Recurva much resembles a lily and is the finest of the world's Fritillarias. 1½ to 3 ft. in height with stout stems nodding at top. The strongly recurved flowers are orange scarlet, the throat flecked with yellow. 10 cts. each; \$1 per doz.; \$7.50 per 100.

The above prices are postpaid to your door.



FRITILLARIAS

1 and 4, *Lanceolata*. 2, *Recurva*. 3, *Pudica*. 5, *Liliacea*. 6, *Pluriflora*. 7, *Purdyi*, varied form.

GROUP 2

Group 2 Fritillarias are natives of open spaces and must be in full sun or at most very light shade. Stems are from 6 to 10 inches high with few leaves and with flower heads of one to several broad open bells. They thrive in a friable well drained loamy or gritty soil.

Liliacea, 6 to 10 inches high, with several large open bells. The color is a waxy white, beautiful tinted pale green. 15 cts. each; \$1.50 per dozen.

Pluriflora grows 6 to 12 in. high, leafy at base with many very beautiful large open bells of a lovely deep rose. Next to *F. Recurva*, our most beautiful Fritillaria. 10 cts. each; \$1 per doz.; \$7.50 per 100.

Pudica, From 4 to 6 in. high, with rather large basal leaves and erect stems, bearing 3 to 6 nodding bells 1¼ to 1½ in. long and pure gold in color. Absolutely hardy and a gem for the rock garden. 10 cts. each; \$1 per doz.

Very Large Bulbs of any of These at Double Price

Purdyi in this original form, was discovered and named 30 years ago, its locality lost and I am now able to offer for the first time. It is 4 to 9 inches tall with one to seven lovely large bells, waxy white, flecked scarlet. Unusually fine and very rare. 20 cts. each; \$2.00 per doz.



L. Kelloggii. *L. Bolanderii.*
L. Pardalinum

L. Parviflorum.
L. Washingtonianum Purpureum.

CALIFORNIA LILIES

There may be larger lilies but there are none more colorful or lovely than those of California and the West. They do in some cases require special treatment which is not difficult. There are three groups requiring somewhat different culture and we divide them accordingly.

LILIUM HUMBOLDTII AND ALLIED SPECIES

These will thrive in either full sun or light shade. Soil may be any well-drained clay or loam, with no humus but a surface mulch of leafmold and a little well rotted manure is very desirable. Cover bulbs 8 inches.

HUMBOLDTII. A grand Lily, growing as tall as 10 feet, but usually 4 to 5 feet high, with very stout stem and many large orange flowers, spotted with small maroon spots. This species does well in the adobe soils prevailing about San Francisco Bay. Immense bulbs 50 cts. each; 3 for \$1.25.

HUMBOLDTII MAGNIFICUM. A good species, differing from preceding in having darker foliage, and in the spots on the flowers, each surrounded by a circle of crimson. Splendid growing and flowering qualities. It is sure to flower the first year after planting, and is a splendid grower. None better. First size, 75 cts. each; 3 for \$2. Fine flowering blubs, 60 cts. each; 3 for \$1.50.

LILIUM WASHINGTONIANUM AND NEAR SPECIES

These are woodland lilies and should have a complete high shade that gives plenty of light. Best soil is a moderately heavy clay or loam with some acid humus. Drainage must be perfect. Surround bulbs with an inch of sand. Cover 8 in.

WASHINGTONIAUM PURPUREUM. The celebrated Mount Hood Lily of the Northwest. From 3 to 5 and often to 7 feet high with stout stems and many leaves in whorls and often with 25 flowers to a stem. The flowers are broad open trumpets opening pure white and often changing to deep wine color and are most spicily fragrant. A wonderful lily that has brought fine reports from all parts of the East where happily situated and proper care as to soil has been given. Very fine garden grown bulbs: Large size, 50 cts. each; 3 for \$1.25. See cut.

RUBESCENS (The Redwood or Chemise Lily). A beautiful and very distinct kind, having tall, slender stalks and exquisitely fragrant flowers of a tubular shape. In opening, they are white dotted purple, but soon change to deeper purple, and all colors between white and purple will be seen on one stem. To succeed with this, drainage must be perfect. Very large, 50 cts. each; 3 for \$1.25.

KELLOGGII is one of the most distinct as well as one of the rarest and most beautiful of the world's lilies. Except that the bulb and stem resemble that of the foregoing sorts it is entirely different. The petals are closely revolute (see picture), and the color is a delicate pink, lighter at the center, finely dotted maroon. It has a most spicy, distinct fragrance. A well grown plant will be 2 to 4 feet tall with from six to ten flowers, while very fine specimens grow six feet high with thirty or more blossoms. Very large bulbs, \$1 each. Fine flowering bulbs, 75 cts. each; 3 for \$2.

BOLANDERI. One of the rarest of Lilies; 1 to 3 feet high, slender, with bell-shaped, deep crimson-red flowers, dotted purple. Very strong garden grown bulbs. 90 cts. each; 3 for \$2.50; \$9 per doz. See cut.

The stem-rooting Magnificum flowers the first year. Others above probably not until the second year.

LARGE FLOWERED BOG LILIES

Light to moderate shade. Perfect drainage but they must have constant liberal moisture. A stream side or moist shaded border is ideal. Any friable soil with some humus, slightly acid. Surround bulbs with sand. Cover 5 inches.

PARDALINUM. Front cover picture shows color and what a grand lily this is. Low in price yet there is not a finer, more brilliant or easily grown lily, even under ordinary garden conditions. It increases rapidly to form dense colonies. It grows 4 to 7 ft. tall with very many flowers. It excels in rich moist soil on stream side or in shaded border. Large bulbs, 35 cts. each; 3 for \$1; doz. \$3.50.

PARRYII. Quite rare, it is one of the loveliest of lilies. Its slender leafy stems are 3 to 5 ft. tall and bear a few to 25 very fragrant funnel-form flowers with petals slightly flaring at tips. Color is soft lemon-yellow, some flowers with faint brown spots and some without spots. It must be in shade and prefers a sandy loam soil with some humus and in cold regions should have some protection. Splendid disease free bulbs cultivated right on its native streams. Extra large bulbs at \$1 each. Fine flowering size, 70 cts. each; 3 for \$1.90; \$7.00 per doz.

ROEZLII CRIMSON. Related to Pardalinum, it is more graceful with slender stems 3-5 ft. tall and slender leaves in crowded whorls. The flower has a small orange central zone, finely dotted maroon with the outer portion a rich crimson. 50 cts. each; 3 for \$1.25.

Bog Lilies usually flower well the first year.

CULTURE OF CYPRIPEDIUMS

They must always be in shade and in California very dense, complete shade. Best soil is natural woodland soil but to prepare use ½ gritty or sandy loam, ½ leafmold, preferably from conifers, or finely screened peat moss, rotted wood or chopped sphagnum. In dry regions a 1-inch mulch of pine or redwood shavings. Cover crowns but 1 inch. Constant moderate moisture is essential. Soil should be neutral or acid and for Californicum and Acaule must be acid.

The above prices are postpaid to your door.

Orchids shipped October 1-April 1.
(Cultural directions always inclosed.)

WESTERN LADY'S-SLIPPERS (Cypripediums)

In the Far West we have three true Lady's-Slippers, and *Calypso borealis* and *Epipactis gigantea* so closely related that they are popularly taken for Lady's-Slippers.

CALIFORNICUM is a true bog plant, found only in nature in wet bogs of the Northern mountains, or in the streams issuing from such bogs, and having a rather sandy peat soil. It makes strong clumps, with stout leafy stems 18 inches to 2½ feet high, with rather small (proportionately) white flowers. Strong roots (divisions). 50 cts. each; \$5.00 per doz. Clumps, undivided, at 50 cts. each, plus an extra charge of 25 cts. for each eye over two. Such clumps have from 5 to 20 eyes. For a real show buy a large clump rather than a number of divisions.

MONTANUM is a most lovely Orchid, found in the forest region from Sonoma County, Calif., northerly. It is not unlike the Eastern *pubescens* in habit. The large flowers have white sacs and brownish sepals. Very fragrant, with the odor of vanilla. Extra strong plants, 50 cts. each; \$5.00 per doz. Clumps, undivided, of from 4 to 15 eyes at 50c each, plus an additional charge of 25c for each eye over two. Clumps establish more readily and are far better value than a number of separate plants.

FASCICULATUM is a low-growing sort, with much the same habits as the preceding, but the flowers are brownish. Quite interesting. This variety is offered at the same prices as *Montanum*.

CALYPSO BOREALIS is an exquisite pink Orchid often taken for a Lady's-Slipper. It is almost always found either in mold and moss on rotted logs or in like soil on the ground in shaded woods. It does not root in the ground; the root is a little white bulb. It is not difficult to flower the first year. 20 cts. each; \$2.00 per doz.

EPIPACTES GIGANTEA is a strong-growing Orchid which spreads by underground runners to form large, close masses. It loves a silty loam near water, and its many racemes of brownish Lady's-Slippers are quite ornamental. Culture is not at all difficult. 20 cts. each; \$2 per doz.

EAST AMERICAN LADY'S-SLIPPERS

CYPRIPEDIUM Pubescens grows to less than a foot in height with handsome foliage and large slippers of light yellow. A plant of great beauty which I have been able to make happy in a shaded situation with moist soil rich in humus.

Spectabile grows much taller and stronger than the last, with large pink flowers.

Acaule has opposite leaves with a single rose colored flower of great beauty. Must have a soil and situation like *Pubescens*, but the soil must be acid.

Of any of above, plant with one crown, 25 cts. each; \$2.50 per doz. Strong plants, 60 cts. each; \$6.00 per doz.



Cypripedium Spectabile



Trillium sessile increases and becomes more valuable year by year.

TRILLIUMS

Trilliums are very attractive plants of the Lily family. The forms known as Wood Lilies or Wake-Robins are well known in the East and are fine woodland plants. Of these the best is *grandiflorum*, to be had from most Eastern dealers. In the forms of *sessile*, we have an altogether different tribe and a much better one from the standpoint of easy culture and ability to hold their own for years in the garden. There is a colony of Trilliums at Ukiah which, with no care, has increased in beauty for at least fifteen years, and I have seen many such.

Time of Flowering. Trilliums are among the earliest of spring flowers. Shipped Sept. 1-Jan. 1.

SOILS PREFERRED AND CHARACTERISTICS

A better plant for the shaded corner, damp woodland, border of streams where the soil is moist, or for the shaded parts of the garden, does not grow. It takes a year for them to take hold, but they will then improve for years. There is no better bulbous plant to naturalize, and I have them in perfection in gravel, loam, sandy, and heavy clay, and in each case, with no care whatever, and with our dry California summer.

SESSILE CALIFORNICUM. A strong plant a foot high, with the separate leaves 5½ inches long, by 4½ inches wide, and the petals 3½ inches long. Flowers pure white. Very fragrant. Forms masses of many individuals. See above.

SESSILE RUBRA. Of same type with flowers of rich maroon red. Strong and vigorous.

SESSILE SNOW QUEEN. A pure white form having broader petals and leaves and larger flowers. Exceptionally fine.

OVATUM. Nearly related to the Eastern *grandiflorum* but larger. Flowers open pure white, gradually tinge pink, and finally become deep wine-purple. Requires leaf mold and shade. For the redwood regions the best to naturalize. None of the Trilliums are finer than ovatum; the change in color is an added charm.

PRICES OF ABOVE SPECIES: Fine bulbs, 10 cts. each; 85 cts. per doz.; \$5.50 per 100. Very large bulbs, 15 cts. each; \$1.25 per doz.; \$9.00 per 100.

PETIOLATUM. A rare species offered to garden lovers for the first time. It differs from all the others by having each leaf on a stem 2 to 3 in. long. Flowers are purplish red. 12 cts. each; \$1.25 per doz.

RIVALE. A most dainty little sort from Southwestern Oregon and very rare. The delicate mauve flowers are borne on separate stems, and the plants at most are 6 inches high. 10 cts. each; \$1.00 per doz.

PURDY'S BEST. This is a new form of *Sessile* with very broad leaves and broad ovate petals. Color is creamy white with deeper cream at center. 10 cts. each; \$1.00 per doz.

The above prices are postpaid to your door.



GORGEOUS TIGRIDIAS

(Bulbs shipped Feb. 15 to May 1.)

TIGRIDA (Tiger or Shellflower). Gorgeously colored bulbous flowers of easy culture. With sun; well-drained soil; constant moisture, they flower throughout summer. Plant Feb.-May. Cultural directions sent with bulbs. Spots in center only.

Alba Grandiflora. Huge pure white, spots crimson.

Albo-Liliacea. Rare white flushed lilac, center without spots.

Canariensis. Rich canary-yellow, spots carmine.

Le Geant. Huge brilliant scarlet, unspotted yellow center.

Montezuma. Satiny deep rose, crimson spots.

Speciosa Grandiflora. Scarlet, crimson spots on yellow ground. Very strong, multiplies fast and freest flowering of all.

Any one variety: 15 cts. each; \$1.20 per doz.; \$9 per 100.

DeLuxe Mixed. Each dozen or more contains all the above superb varieties. \$1 per doz.; \$8 per 100.

Prices are postpaid. Six at dozen rate; 50 at 100 rate.

Tigridia Seeds. Fine Mixture (with directions). Pkt. 25 cts.



Pansy



Iceland Poppy, Imperial Jewels

RARE AND EXOTIC BULBS

(Note shipping dates of each.)

LYCORIS Radiata I have previously listed in error as *Nerine*. Leaves come early and die and in August appear the 12 in. stems with heads of brilliant spidery lily-like flowers. In East, must be grown in pots and kept indoors in winter. 25 cts. each; 3 for 65 cts.; \$2.25 per doz. Shipped Sept.-Jan.

AMARYLLIS Belladonna (Resurrection Lily). Of habit similar to *Lycoris* and likewise tender but stems are 2 to 3 ft. tall and bear umbels of many huge pink lilies in Aug.-Sept. Large bulbs (Sept. to Jan.), 40 cts. each; 3 for 90 cts. Customers East of Rockies add postage, 10 cts. per bulb.

SCILLA Peruviana. A rare bulbous plant with heavy mass of dark grassy leaves and erect, very many flowered stems with flowers of deepest delft blue. Very striking. Cult.: Sun. Soil, sandy loam. Pl., fall to spring. 30 cts. each; 3 for 75 cts.

STERNBERGIA Lutea Major. Large buttercup yellow crocus. You plant them July to Sept. and in three weeks they are in full bloom. Fine in pots. Shipped July 1. Bulbs, 30 cts. each; 3 for 60 cts.; \$2 per doz.

ALSTROEMERIA, Peruvian Lily. 2 to 3 ft. tall with many stems bearing clusters of really lovely flowers. Showy in garden, excellent cut. Require deep rich soil. In East pot in fall and store indoors. Plant tubers 4 to 6 in. deep. Shipped Sept. 15 to Jan. 1 only.

Aurantiaca. Brilliant orange, spotted brown. 30 cts. each; 3 for 75 cts.; \$2.50 per doz.

Chilensis Pink Hybrids. A new strain in lovely shades of pink of surpassing loveliness. Each 40 cts.; 3 for \$1.

FLOWER SEED SPECIALTIES

(Countless customers say these strains surpass all others.)

SNAPDRAGON, Super Majestic Mixture (Rust Resistant). The finest strain for gardens with huge spikes in all colors known to Snapdragon. Sow Sept. for early bloom, spring for summer bloom. Pkt. 25 cts.; 1/16 oz. 50 cts.

CARNATION Chaubauds Giants. 18 in. As large as a Carnation, given a rich soil and disbudded, they bloom in five months from seed sown in Fall or early Spring and continuously all Summer. Hardy. Supreme Mixture of roses, reds, white and yellows. Pkt. 15 cts.; 1/8 oz. 75 cts.

ICELAND POPPIES. 3 ft. Vibrant airy flowers on wiry stems, marvelous in garden and cut. Seeds sown Fall or early Spring flower first summer and continuously. (Perennial.)

Imperial Jewells Mixture. Oranges, pinks, salmons, cream, rose, reds, apricots, buff in scintillating array of color. Finest strain yet produced. Pkt. 25 cts.; 1/16 oz. 65 cts.

VIOLA—Tufted Pansy. Loveable, gay, free-blooming, they fill a variety of situations. Culture same as for Pansies.

Supreme Formula Mixture. A blend of gay colors, bright reds, yellows, blues and apricot with many unusual shades makes this truly a supreme mixture. Pkt. 25 cts.

PANSY. Perhaps the best known and most universally loved flower in all the world. For superb Pansies: rich soil, constant moisture and close picking. Sow early Spring in boxes or best August-October to produce vigorous plants for Spring bloom. Best sown in boxes and transplanted.

"My Choice" Supreme Swiss Giants. This I consider the finest strain for all localities. Color range is superb, flowers are large and mostly beautifully frilled. Longest and freest flowering strain I know and customers say they have found no strain so fine. Pkt. 40 cts.; 1/32 oz. \$1.

SECTION 2.

Hardy Perennial and Rock Plants and Seeds

Perennial plants must be given an important place in any flower garden for there can be no permanent success without them. Long lived, with moderate care they bring a maximum of beauty over a long period. They range from the tall stately plants for the background down to the intermediates and the low plants for a neat edging or border. Their generous use will bring untold pleasures.

A number of fine things have been dropped this year because sale did not pay for space to describe them. Most of them are still grown and if you want them order from older catalogs.

*This indicates plants suited to the rock garden. But do not overlook that plants so marked are also the very finest of low border, edging and trailing plants.

**This indicates tiny plants or those suited only to the rock garden.

SPECIAL OFFER: Where selection of varieties is left to me I will give \$6 worth of plants for \$5.00; \$12.50 value for \$10.00. For larger amounts 25% additional value will be sent. Such selections can be made for: Perennial Border; Rock Garden; Shaded and Difficult Corners. Just state your problem and soil, and other conditions when ordering.

ACONITUM Spark's Var. is a very fine Monks Hood, plants closely allied to Larkspurs, and they have hooded flowers and bulbous roots. This variety is 2 to 3 ft. high with the flowers a lovely deep blue coming in late summer. Cult: Cool moist situation in sun to moderate shade; Soil, a rich loam. Pl., Fall is best, can plant in spring. Prop., offsets. 30 cts. each; 3 for 75 cts.

AETHIONEMA, Persian Candytuft. Most fascinating dwarf rock plants which are in reality tiny shrubs, and most valuable in the rock garden, odd corner or border. Bluish green leaves and woody stems, bearing an umbel of most charming flowers, May to June. They are treasures in bloom and the evergreen foliage most attractive the year around.

***Coridifolium** makes a prostrate mass of pretty foliage a foot or so across and a solid mass of deep pink flowers. 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

***Grandiflora** bears its flowers in erect spires as much as 18 in. high. Color is a glowing rose and a plant in flower a delight to the eye while foliage is always handsome. 40 cts. each; 3 for \$1. Seeds, pkt. 25 cts.

***Persicum.** Quite similar to *Coridifolium* but the foliage more bluish and the flowers very soft pink. 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

***Pulchellum** makes a flattish half trailing mass a foot or so across, with many clear rose pink flowers. 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

***Warley Rose—True.** Very rare and simply exquisite. Compact bushes a foot high are masses of bloom May-June. This is not light centered like the familiar one of this name but the color is a solid deep rose. 60 cts. each.

Cult: Sit., sun, thrive in a hot dry place. Soil, deep and any loose and well drained. Prop., seeds (2 years to flower) or cuttings. Pl., Fall to spring. Shear flowering stems to foliage at once after flowering.

WEST AMERICAN COLUMBINES

***AQUILEGIA truncata.** Lovely woodland species with rather short spurred flowers, red outside and yellow at center. Fine for woody corners. 25 cts. each; 3 for 65 cts.; \$2.00 per doz.

***AQUILEGIA eximea.** A delightful large flowered Columbine that flowers in mid-summer, the flowers, scarlet with yellow center. It loves a cool wet place, sun or shade. 25 cts. each; 3 for 65 cts.

***AQUILEGIA** or **COLUMBINE** is a little large for the small rock garden but in the medium to large one produces delightful effects.



AQUILEGIA, Columbines

AQUILEGIA, Columbine. These remarkably beautiful and graceful plants with most charming flowers are so well known as to need little description. With handsome foliage, fine flowers and ease of culture, few flowers satisfy so many needs. Then, too, they harmonize with most anything and are particularly beautiful with ferns and woody things. They give color effects in deepest shade where it is so valuable. Cult: Sun or shade, but are finer and last much longer in shade. Soil, any, but finest results obtained with a rich, well drained loam. Pl., fall to spring. Prop., seeds. Seeds should be sown in fall or very early spring. Seeds offered are the finest strains obtainable.

"My Choice" Long Spurred Hybrids. Huge flowers in a balanced mixture of all colors with many colors possessed by no other strain. Simply superb. Plants, 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.; 1/16 oz. 80 cts.

Dobbie's Imperial Hybrids. A marvelous strain of long spurred columbines in a full range of finest shades in all colors mixed. Plants, 30 cts. each; 3 for 75 cts.; \$2.50 per doz. Seeds, 25 cts. per pkt.; 1/16 oz. 65 cts.

Long-Spurred Blue Shades. The finest strain I have ever seen with flowers often 2 inches across. Seeds, only, 25 cts. per pkt.; 1/16 oz. 65 cts.

Coerulea Mrs. Nicholls. The lovely Colorado Blue Columbine in a form easily grown without petting. Really choice. Plants, 30 cts. each; 3 for 75c. Seeds, pkt. 25c.

Long-Spurred Purdy's Sulphur Yellow. Delightful soft sulphur yellow flowers on strong plants of fine foliage. Each 30 cts.; 3 for 75 cts.; \$2.50 per doz. Seeds, pkt. 30c.

***NEW DWARF ALASKAN.** A rare little Columbine from Alaska as yet unnamed; it is a foot high with lovely short-spurred medium blue flowers for weeks even in full sun. I prize it highly and all visitors are charmed by it. Elegant in rock garden. 35 cts. each; 3 for 90 cts.; seeds, 50 cts. pkt.

Medium-Spurred Mixture. My Olympia crossed with another to give this mixture. Mostly the blue Olympia with some other unusual shades. 25 cts. each; 3 for 65 cts.; \$2.50 doz.



Anemone Pulsatilla

***ANEMONE Pulsatilla—Pasque Flower.** A delight in spring with the 2-inch cups above the silky foliage. Give well drained soil in light shade, rock garden or border. Red and violet-blue. Mixed only, 40 cts. each. Scarce.

***ANCHUSA Myosotidiflora** (Chinese Forgetme-not). Acclaimed by all who see it, it is a delight in any shaded border or rock garden, flowering for weeks in spring and again in fall. The exquisite clear blue forgetmenot-like flowers are in airy 12-18 in. sprays above the large heart-shaped leaves. Sit., light shade; Soil, good loam, well drained but always moist. Prop., seeds. 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

****ANDROSACE Chumbyii.** Rock Jasmine. Fascinating colonies of tiny silvery evergreen rosettes to 12 in. across, the flower heads of soft pink on slender 3 in. stems. May-June. Sit., sun or light shade; Soil, good loam with humus (lime lovers) always moist to give cool rootage; Prop., div. 40 cts. each; 3 for \$1.

ANTHEMIS Sancta Johanna. Has the most vivid orange flowers I have ever seen. Two ft. high with erect stiff stems, the large center and short rays of the blooms a uniform bright orange. Plants, 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

ANTHERICUM. Fine border plants of the lily family with long grassy leaves at base and stout flowering stem with graceful sprays of pure white fragrant flowers, May to July. Cult: Sun or partial shade; deep rich well drained soil with good moisture. Pl., fall to spring. Prop., divisions.

Liliago, St. Bernard's Lily. 2 to 3 ft. strong growing with pure white fragrant flowers. 35 cts. each; 3 for 90 cts.

Lileastrum (Paradisea Lileastrum), St. Bruno's Lily. 26 to 24 inches high, pure white. 30 cts. each; 3 for 75 cts.

***ARTEMISIA frigida.** Bushy evergreen plants 1-2 ft. tall. Its great beauty is in the shimmering silvery foliage throughout the year. Rare. Each 50 cts.

ARUNCUS Sylvestris, Goats Beard. Splendid strong growing Western native plant allied to Astilbes and Spirea. 3 to 6 ft. much branched, with handsome pinnate leaves and stout stems, crowned in July with a fleecy mass of cream flowers. Admirable for the shaded spot with ferns and fine as a background in the open border. Cult: Sun or shade. Soil, any loam but responds to ample moisture. Pl., fall or spring. Prop., div. 40 cts. each; 3 for \$1.

Germantown, Penn.: "The *Calochortus albus* and *amabilis* both bloomed. Camassias seem to do well in this climate as the same bulbs have flowered three years."

ASCLEPIAS tuberosa, Butterfly Weed. A most attractive many-branched plant 2 to 3 feet high, crowned in mid-summer with umbels of brilliant orange flowers. Most noticeable. Cult: Sun, sandy loam, and stands drouth. Pl., fall to spring. Prop., seeds. 25 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

ARALIA Californica, the California Spikenard. A large and stately plant with pinnate leaves 3 to 4 ft. long and its creamy flowering spikes 5 to 6 feet. A marvelous background plant in moist situations in either sun or shade. Large roots, 75 cts.

***ARENARIA montana,** I rate one of 12 best rock plants. Close tufts of deep green, always neat are smothered with silvery white flowers April-May. Sun and any fair soil. Wonderful on crest of a rock. Each 30 cts.; 3 for 75 cts.

ASPERULA, Woodruff.

***Cyananthina.** Unusual and strictly fine, it makes a dense mass 10 in. high composed of slender branches covered with light green slender leaves and for weeks in summer is crowned with a filmy mass of tiny white flowers. Sit., sun or light shade. Soil., any. Moisture desirable for finest effect. A delight throughout the summer and neat. 25 cts. each; 3 for 65 cts.

***Odorata** (Sweet Woodruff or Waldmeister). Grows to 8 in. and spread underground to make an open carpet. A delightful ground cover especially with such plants as Columbines, Heucheras and like heights. Foliage is a delightful bright green and the small white flowers dainty. Loved by everyone. Cult: Sit., light to deepest shade. Compact in sun, but keep moist. Pl., fall to spring. Prop., div. 25 cts. each; 3 for 65 cts.



Aubrietia

***AUBRIETIA.** One of the most valuable rock plants. The mounds of slightly greyish foliage are smothered with the bright and attractive blossoms from early spring and on into the summer. In warm climate from late winter on. No plant gives a finer early effect to the rock garden or on well drained banks or for border edgings. Cult: Sit., sun, stand drouth well. Soil, any. Pl., fall to spring. Prop., seeds.

Purdy's Large Flowered Hybrids. Brightest colors, 25 cts. each; 3 for 65 cts. Seeds, pkt. 20 cts.

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***BELLIUM Minutum** is the tiniest of all daisies. Its tufts are barely $\frac{1}{2}$ in. high and 2 in. across. The dainty little single flowers are white tinted pink on stems 2 in. high. Flowers all summer. Cult: Sit., sun or light shade. Soil, any good, but never dry. Pl., fall to spring. Prop., div. 25 cts. each; 3 for 65 cts.

***BRODIAEAS** in little groups of 3 to 6 bulbs, add a most delightful late spring effect to the rock garden. See under bulbs, page 6.

***CALIFORNIA FUCHSIA.** See *Zauschneria*.

***CALOCHORTUS** of the Globe and Star tulip forms dotted into the rock garden are truly enchanting. See page 4.

CAMASSIAS in bold groups in the borders will be a source of enchantment for many weeks in late spring. See page 5.

CENTAUREA Montana—Cornflower. Not new but its large violet-blue flowers on 2 ft. plants are a welcome addition to the summer garden too few gardeners are familiar with. Sun, any soil. Fine cut. Each 30 cts.; 3 for 65 cts.

***CERATOSTIGMA Plumbaganoides**, makes a close mass 6 inches high and undisturbed becomes quite large. On longer stems many plumbage blue flowers appear from late summer on. A striking blue and a wonderful plant for fine late rock garden effects. A splendid border plant as well. Cult: Sit., sun. Soil, any rich loam. Pl., fall to spring. Prop., div. Each 25 cts.; 3 for 65 cts.

CHRISTMAS ROSES. See *Hellebore*.

***CONVOLVULUS Mauritanicus.** One of the finest of plants for the rock garden or hot banks. A low broad tuft a few inches high and often two feet across bears very many large clear blue morning glory flowers from June to frost. A little trimming keeps it in place although it never seeds or spreads by under ground runners. Has wintered for years at Poughkeepsie, N. Y. and on Long Island and is hardy from Philadelphia southward. Cult: Sit., sun. Endures heat and drought but better for some watering. Soil, any well drained. Prop., rooted cuttings. Pl., fall to spring. Spring in East. I would not be without it. 25 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

COREOPSIS Perry's Semi-Double. Imagine this popular perennial with flowers like semi-double roses on neat bushes 20 to 30 inches high, the golden yellow flowers $2\frac{1}{2}$ inches across on long, slender stems, throughout the summer. Lovely as cut flowers. Cult: sun. Soil: a good loam. Pl., fall to spring. 30 cts. each; 3 for 75 cts.

COREOPSIS Double Sunburst. Full double golden flowers on long stems from mid-summer until frost. Plants, 30 cts. each; 3 for 75 cts. Seeds, 20 cts. pkt; $\frac{1}{4}$ oz. 50 cts.

CYNOGLOSSUM grande, Hounds Tongue. A Californian plant related to *Anchusa*. A handsome plant, especially in moderate shade. Leaves in broad basal clump, the many flowered branching stem rising 1 to 3 ft. Lovely *Forget-me-not* flowers of fine blue with white ring at center. Early spring. Sit., light shade. Soil, any well drained. Pl., dormant roots in fall. 25 cts. each; 3 for 65 cts. Very large roots, 50 cts. each.

COWSLIP. See *Dodecatheon*, page 7.

CYPRIPEDIUM, Orchids. See page 11.

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Sedum Spathulifolium

Campanula Pusilla Alba

Campanula Muralis

DWARF CAMPANULA—Bellflower. You will love them for a border or edging, in your window boxes and pots and they are equally fine in rock garden. They like cool moist soil either sun or shade. Neat and compact and 4 to 6 in. tall. Buy a wide selection to extend their lovely bloom through many weeks in summer. Divide and reset every two years.

***Carpatica Convexity.** 6 in. Compact tufts a foot across. Quite large flowers of medium mauve-blue with distinct white markings on the divisions, the petals reflexed to form a large star. New and a delight. 50 cts. each.

***Isophylla** is another trailer and most lovely. Open mats are as much as a foot across, the stems covered with the large saucer shaped blue or white flowers from July to frost. Perfectly hardy from Calif. to Washington but might suffer in the East without some protection. Cut back to ground just before frost. A real gem in a cool situation but enduring not too hot a sunny situation. *Isophylla Alba* in pure white; *Isophylla Mayii* in fine blue at 50 cts. each.

***Garganica.** Emerald green tufts, the flowers medium blue stars with white eye. 30 cts. each; 3 for 75 cts.

***Garganica erinus.** Most dainty, with tufts, less than 2 in. high, of heart shaped glossy leaves and star-shaped flower of soft blue just above foliage. 30 cts. each; 3 for 75 cts.

***Muralis Bavarica.** From a dense low spreading foliage mass arise 5 in. stems on which are borne the 1 in. bells, making a blue purple mound from June on for many weeks. 30 cts. each; 3 for 75 cts.

***Poscharkyana.** From Siberia comes this lovely and entirely new campanula. There is a neat basal tuft and from this spread many 10 in. trailing stems studded with pale blue star-like flowers. If cut it flowers three times, May, July and September. 30 cts. each; 3 for 75 cts.

***Pusilla (Caespitosa)** is another real gem in very dwarf plants. Spreading to make a very dense mass hardly 2 in. high, the nodding blue bells are carried on erect 4 in. stems well above foliage appearing from July to October. A delight in a cool pocket in rock garden. 30 cts. each; 3 for 75 cts.

***Pusilla alba.** A pure white form of preceding. Same price.

***Pseudo-Rainierii** is rather finer than *Rainierii* and unlike it, quite easy to grow. It is a dainty, compact and quite miniature tuft $1\frac{1}{2}$ in. high, with the large fine, blue flowers borne above the foliage. July to Aug. 35 cts. each.

***Rotundifolia.** A clump of very many slender but erect 12 to 18 in. stems bears a mass of rather broad blue bells from late May to June. It is far the best form of the many *Rotundifolia* varieties. Stands shade. 25 cts. each; 3 for 65 cts.

DELPHINIUMS

The usefulness and beauty of the Delphinium is well known for they are the most popular of all perennials. Justly so, too, for what gives more stately garden masses or a longer succession of fine cut flowers? Give them a well-drained, rich soil and moderate moisture, and plant 18 to 24 inches apart to give plants plenty of air and light. Manure is the best fertilizer but they respond to any nitrogenous fertilizer.

PACIFIC GIANT DELPHINIUMS. Finest in the world is the verdict of all experts and I confine my offer to this strain to give my customers the best. Outstanding in all respects; practically 100 per cent double, the flowers $2\frac{1}{2}$ to 3 inches across, beautifully spaced in long spikes. Thin wood stems, 60 to 90 per cent mildew resistant.

King Arthur Series. Brilliant royal violet with white bee. Outstanding for show and cut flowers.

Guinevere Series. Light lavender pink with white bee.

Summer Skies Series. Clearest light blue with white bee.

Clear white. Pure white, large size, full double; thrifty.

Plants of above: 25 cts. each; 3 for 65 cts. \$2.50 per doz.

Pacific Giants Mixed. Many lovely shades. Plants, 25 cts.; 3 for 65 cts.; \$2.50 per doz. Seeds, pkt. 60 cts.; large pkt. \$1.00.

DELPHINIUM Chinensis Blue Butterfly. Has fine feathery foliage in compact plants a foot high with many spikes of large flowers of rich ultramarine blue completely covering the plants for weeks. It is a gem for low borders or in the rock garden. Loved by all who see it here.

Delphinium Chinensis Cambridge Blue. 2-3 ft. with the same feathery foliage and fine spikes of large flowers of a clear light blue. Lovely in bouquets.

Prices: Plants, 25 cts. each; 3 for 50 cts.; \$1.40 per dozen. Seeds (flower in three months), pkt. 20 cts.; $\frac{1}{8}$ oz. 40 cts.

DELPHINIUM, West American Larkspur. Here in California and Western America we have a large number of very lovely Larkspurs. Quite varied in color, stature and form and entirely hardy and withstanding very dry difficult conditions; they give some of our most beautiful plants for the wild garden, with taller ones suited to the border, while the dwarf species, prefixed by a star are among the most lovely of rock garden plants. After flowering, these Delphiniums ripen to the ground and the root lies dormant until the next fall or spring. For this reason the location should be well marked or the roots should be dug, cured and stored dry. The roots retain full vitality after being stored as much as three years. In the East is best to dig and store the roots and replant the following spring. Soak roots two hours before planting. Culture of this group: Sit., sun. Soil, any, but good loam gives finer results. Pl., dry roots in fall, or in cold region hold for spring planting. Prop., seed, third year to flower. Unless otherwise stated the following have a single many flowered stem. All flower May to July.

TALL SORTS of Western Delphinium

Cardinale, the Giant Scarlet Larkspur of southern California is one of the most vivid flower effects of its region and as fine in the garden. It grows from 3 to 7 ft. high and the flowers are in spikes of vivid scarlet. Plant in well drained soil in full sun. 25 cts. each; 3 for 65 cts.; \$2.50 per doz. Seed, pkt. 25 cts.

***Nudicaule.** One of the two native "Scarlet Larkspurs." In this region it is characteristic of rock masses in shaded situations and is a lovely subject for partially shaded rock gardens. It is most stunning naturalized on shaded slopes, particularly among rocks, and it is very effective in the cool border. It does well in full sun but the flowers last much longer in light to moderate shade. Oftener 8 to 12 inches but may grow to 2 feet. Foliage is glossy and prettily mottled and the deep scarlet flowers come in spring and if watered, for many weeks. 20 cts. each; 3 for 50 cts.; \$1.75 per doz.



Guinevere

LOWER GROWING SORTS

***Hesperium.** May grow to 3 ft. loosely branching with many flowers of medium blue.

***Menziezii** resembles Columbianum, being much branched at base. Glossy foliage and fine deep blue flowers with white bee.

***Variegatum Dwarf Form.** Single stems 8 in. high, bear deep pure blue flowers. A gem. These little Larkspurs are among the most admired plants in my rock garden.

PRICES: 20 cts. each; 3 of a kind 40c; \$1.25 doz.

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CAMPANULA Telham Beauty (True). Huge clear blue cups 4 to 5 in. across on 3 to 5 ft. stems during July and Aug. Sun or light shade. Deserves rich moist soil. You will adore this glorified peach-leaved Bellflower. 50 cts. each; 3 for \$1.25.

CORYDALIS Lutea. 8 in. The soft green fern-like foliage is delightful and sets off to perfection the masses of yellow tiny bleeding heart flowers. Best in a cool moist situation in shade. 30 cts. each; 3 for 75 cts.

DWARF DIANTHUS—Pinks. Spicily fragrant, always neat, they give masses of finest color in early summer. Unexcelled for borders or edgings, they are the backbone of every successful rock garden. Pl. fall to spring. Soil, any, best moist but stand much drouth once established. You will want a wide variety to prolong the bloom.

***Deltoides Brilliant "Erect".** You will love this new form with profusion of bright carmine-rose flowers, June and July, borne above the bright green foliage mats on 8 in. erect stems. 30 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

****Glauca compacta.** Tiny silvery tufts with many 2-in. stems bearing bright pink flowers. A gem. 40 cts. each.

***Knapii.** A dainty species, unique in being the only yellow Dianthus, it bears clusters of very pretty small yellow flowers on slender stems, 15 in. tall. Rare. 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

***Low Rose.** Has a compact cushion of bluish deep green foliage, always neat. The soft rose flowers are borne above foliage in great numbers. A favorite. 25 cts. each; 3 for 65 cts.

***Monspelianus Carmine.** One of the very best with cushions an inch high and six inches across. Bright carmine flowers in June. A gem and most lovely in crevices. 30 cts. each; 3 for 75 cts.

***New Pink.** Its cushion may be as broad as 18 inches and the eight-inch stems bear many very fine large soft pink flowers most spicily fragrant. June. 25 cts. each; 3 for 65 cts.

***Royssii.** A lovely new rock garden and border variety not unlike *D. neglectus* in habit with large flowers of glistening deep rose. 6 in. 30 cts. each; 3 for 75 cts.

***Rose Cushion.** Brilliant rose flowers on 2-in. stems smother the compact grey cushions. Out of bloom cushions are like little grey hedgehogs, rare. 35 cts. each.

BORDER DIANTHUS. With fine stems for cutting they give the garden fragrant color effects for weeks in summer.

Highland Hybrids. 18 in. The lovely colors will delight you as they have us. Soft blush, clear pinks, rose to deep rose, many with velvety maroon centers. Large flowers, fine stems. 30 cts. each; 3 for 65 cts. Seeds, pkt. 20 cts.

Superbus "Loveliness". This exquisite new pink with delicate fringed flowers of pure mauve on long graceful stems is the delight of every visitor to my gardens. One of the very loveliest of flowers for filmy, graceful bouquets and most spicily fragrant. Strong plants, 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.; 1/64 oz. 70 cts.

DODECATHEONS, see page 7, are a delight in the shaded rock garden or in a cool well drained situation.

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Dicentra Spectabilis

DICENTRA, Bleeding Heart. Most delightful plants, all having graceful fern-like foliage and enchanting flowers. There is nothing more lovely for the fernbed, moist shaded situation, or the cool border, and the dwarfer ones are most effective in the cool and shaded rock garden. Cult: Sit., cool or shaded. Soil, any moist loam. Pl., fall to spring. Prop., div.

***Formosa, Western Dutchman's Breeches.** Filmy fern-like foliage and soft pink flowers, making it a splendid foreground for the shaded garden, and as an accompaniment or foil for ferns, Columbines and other woodsy plants. Alone it is a splendid ground cover. 15 cts. each; 3 for 40 cts.; \$1.25 per dozen.

***Glauca (Oregona).** With silvery fine cut foliage it makes a compact clump ten inches high surmounted by the spikes of flowers which are creamy white, tipped with red. May to July. Rare and most worth-while. 40 cts. each. 3 for \$1.00.

Spectabilis, Bleeding Heart, a most noble plant, favorite of our mothers and grandmothers and equally as popular now. It grows to 2 ft. with graceful branches, fern-like foliage arching stems with lovely heart-shaped pendant flowers of a rosy pink. It thrives in any shaded situation, but in the well planned bed, in combination with ferns, Columbines and Heucheras, it is most charming. Strong roots, 50 cts. each.



Dwarf Dianthus

"Can you ship plants so far?" Eastern friends often ask. That I do deliver safely to all parts of the world and guarantee safe delivery should satisfactorily answer this question. Customers who buy from me cannot lose.



Lewisia, Brachycalyx

ERIOPHYLLUM lanatum. See *Eriophyllum Oregon Sunshine*, page 22.

***ERODIUM Chamaedryoides Roseum.** A gem. From a deep tap root it branches to make feathery mats an inch high which throughout summer are studded with flowers that are bright rose stars. Sun and deep light soil. Pl. fall or spring. Stunning on a sunny ledge. **Each 40 cts.**

***ERODIUM Cheilanthesifolium.** 8 in. Delicate ferny blue-gray foliage. Flowers are like soft pink geraniums marked with two brown spots. A delight both in and out of flower. Culture as for next above. Quite rare. **Each 50 cts.**

***ERYTHRONIUMS.** Can you imagine anything more enchanting in your shaded rock garden than little pockets of *Erythrונים* as pictured in color, front cover.

EUPATORIUM Coelestinum. 15 in. stems bear a profusion of *Ageratum*-like fluffy heads of soft violet-blue from July to frost. Lasting cut flowers. Sun or shade, any soil if moist. Vastly popular. **30 cts. each; 3 for 65 cts.**

EUPATORIUM occidentale. A rare plant of the Sierra Nevada Mts., 18 inches high with fleecy clouds of soft pink flowers in autumn. Sit., sun. Soil, a well drained loam. Pl., fall to spring. **30 cts. each; 3 for 75 cts.**

***FELECIA Petiolata Rosea.** Best trailer I know for moist bank, crevice, over a wall or in hanging basket. Bright green small leaves. Profusion of bright pink daisy-like flowers all summer. Not hardy in East. Any soil, sun or shade. **25 cts. each; 3 for 65 cts.; \$2 doz.**

GAULTHERIA Procumbens. "Wintergreen Berry," Really a low sprawling trailing shrub with large brilliant green and bronze evergreen leaves and edible bright red berries in winter. Require complete shade, an acid soil rich in humus and constant moisture. Plant Oct.-April. **Sods 80 cts. each.**

***EVENING PRIMROSE.** See *Oenothera*.

***FLAX.** See *Linum*.

FERNS, Hardy Native. See page 28.

***FRITILLARIAS** are most effective in rock garden, see page 9.

FUNKIA. See *Hosta*.

HOUNDS TONGUE. See *Cynoglossum*.

***HYPERICUM Coris.** Pretty heath-like foliage smothered with large soft yellows, flower June-July. Stunning for rock garden or border. 6 in. Moist loam. Sun. **25 cts. each; 3 for 65 cts.**

GYPSOPHILA Bristol Fairy. By far the best *Baby's Breath*. Bushes 2 to 3 ft. high and as much as 4 ft. across, freely branching, with multitudes of fully double white flowers. Cult: Sun, good loam. Pl., fall to spring. Give room. Large plants **75 cts. each.** Good plants **50 cts. each.**

GYPSOPHILA Oldhamii. This delightful new variety grows to 40 in., somewhat like *paniculata* but the flowers are deep rosy-pink. Exceptionally fine. Sown early indoors flower first year from seed. Plants, **35 cts. each; 3 for 90 cts.; \$2.50 per doz.** Seeds, **25 cts. per pkt.**

GYPSOPHILA Repens Rosea. Low trailing foliage masses always neat, bear airy trailing sprays of soft pink flowers in May and June and if moist, well into summer. Unexcelled for rock walls, drapes in rock garden and border edgings. Sit., sun, stand douth; Soil, any; Pl., fall to spring; Prop., seeds. **25 cts. each; 3 for 65 cts.** Seeds, **pkt. 25 cts.**

GLAUCIUM. See *Horned Poppy*, page 22.

GOLDEN ROD, "Golden Wings". 4 ft. With its immense spreading panicles of gold, it makes one of the finest color masses in my garden in mid-summer. **25 cts. each; 3 for 65 cts.**

HELENIUM Chipperfield Orange is 3-4 ft. tall and in August and September when such flowers are so welcome gives stunning masses of richly colored flowers rather like single *Chrysanthemum* which are a picture in copper and gold. Plant fall to spring. Any good soil, moderately moist. **Each 30 cts.; 3 for 75 cts.**

HOSTA (Funkia), Plantain Lily. Beautiful hardy plants with handsome, broadly spreading, large ovate leaves. The beautiful half-nodding lily-like flowers are in graceful spikes on stout stems and well above foliage. Splendid plants for the border or partially shaded bed. Cult: Sit., in the East either sun or partial shade. In the West, partial to deep shade. Soil, a moist loam, well enriched with rotted manure. Pl., fall to spring. Prop., div.

Coerulea (Lanceolata). Luxuriant broad green leaves and blue flowers in July and August. **35 cts. each; 3 for 90 cts.; \$3 per doz.**

Subcordata grandiflora. Large fragrant, pure white flowers on 2 ft. stems from August to October. **35 cts. each; 3 for 90 cts.**

Lancifolia. Like *Coerulea* but narrower leaves and flowers three weeks earlier. Fine. **35 cts. each; 3 for 90 cts.**

Variegata. Strikingly variegated silver and green. Soft lilac flowers in August. **Each 40 cts.; 3 for \$1.**

Fortunei. Similar in habit to *subcordata* but leaves and flowers smaller. Soft lilac-blue flowers are high above foliage in long spikes. Summer. **35 cts. each; 3 for 90 cts.**

****LAVENDER, Dwarf Munstead.** A compact little deep green shrub with deep lavender flowers in July. Wonderfully effective either in the rock garden or border. May be trimmed to little round headed trees. Cult: Sun to light shade. Soil, any. Pl., fall to spring. **35 cts. each; 3 for \$1.** Large plants, **75 cts. each.** Seeds, **pkt. 25 cts.**

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EVERGREEN LEWISIA, Rock Rose

In all the world there is not a more interesting group of rock plants and they are worth any effort to grow them well. They vary widely, each species distinct and interesting and desirable. All have low rosettes of fleshy leaves, but in each species they are intriguingly different. Plants have a few to many stems, 6 to 12 inches high, each bearing from five to numerous flowers. Very hardy without protection even to Montreal.

Culture: In the wild they grow into rocky slopes or cliffs with roots almost horizontal and kept cool by the rocks. You must simulate such conditions to grow them in the open. Otherwise plant them in pots which you can tilt at 45 degree angle. The ideal soil is a silty loam rich in fine acid humus. Loam, sand and peat moss equal parts would approach this. Give liberal moisture Sept. 1 to May 1, partly dry off to rest plants in summer. Situation should be light shade, in damp regions full sun. Pl. fall to spring, in East spring.

****Columbianum.** Rosettes of long narrow deep green leaves, many flowered scapes of rosy flowers with a dark line down the midrib. 30 cts. each; 3 for 75 cts.

****Cotyledon** has dark green, slightly glaucous long spatulate leaves, often much tinted dark red. Unopened buds yellowish orange and flowers usually salmon rose, margined white. Scapes more often 5 to 9 flowered. 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

****Finchii.** This species varies considerably and I have now selected its very finest strain. In this the foliage is deep emerald green with leaves overlapping closely to make a solid rosette often 8 in. across. Its few to 20 scapes each bear 5 to 40 flowers and plants have been seen with 600 flowers. The buds are bright orange. Open, the flowers are soft pink with rose strips and the petals margined orange. A fine specimen, is a wonderful sight. Each 40 cts.; 3 for \$1.00. Seeds, pkt. 25 cts.

****Hecknerii** is perhaps the best marked of the group. First, the broad dark green leaves, red beneath, are margined with slender spines each tipped brown. These tiny spines give the effect of a silky fringe. Then the fine large flowers are a solid rose pink, without stripe. The bracts and sepals are margined like the leaves with even finer spines. A plant bears from a few to many scapes each having a few to 12 flowers. Very distinct and desirable. Each 40 cts.; 3 for \$1.00. Seeds, pkt. 25 cts.

****Hecknerii "Elegans".** A most outstanding new variety (1937) with strong rosettes as much as 8 in. across. The very dark green leaves have charmingly undulated margins and these are lined with slender spines as in Hecknerii. The scapes bear 14 to 40 flowers each, of large size and a lovely medium rose without stripe. A decided acquisition. Strong plants, 50 cts. each; 3 for \$1.25.

****Howellii.** Leaves beautifully crisped and crinkled on margin, are deep green much tinted red. Its many scapes carry 3 to 10 flowers of pink, margined white and with a broad purplish violet central band. 30 cts. each; 3 for 75 cts. Seeds, pkt. 25 cts.

PLEASE NOTE: If you authorize shipment express collect or remit 25 cts. per plant extra to pay postage, I will send extra choice plants of the above kinds at catalog price.

****TWEEDYII.** An English authority said, "The greatest acquisition of a lifetime." Leaves are 3 to 5 in. long; flowers are 2 to 3 in. across and a plant has a few to very many. On one plant 300 open flowers were counted at one time. Large size, \$1. Medium size, 75 cts. Small, 60 cts.



Lewisia Tweedyi

DECIDUOUS LEWISIA, Bitterroot

Lovely and distinctive West American plants and a real acquisition for the alpine and rock garden. All grow in early spring, flowering in April to May. The leaves ripen as the flowers fade and the roots lie dormant through the summer. Fine in pots.

Culture of Deciduous Lewisias. All grow where it is decidedly moist during the growing season or where roots may reach into moist rock crevices. Drainage should be perfect; soil, best a light loam; situation, full sun; moisture, liberal during growing season but may be dried off after flowering. The scree is ideal for them. Cover tip of root 1 in. Shipped fall only, but you may hold the dormant roots for spring planting if desired.

****Brachycalyx.** Without question, this lovely species is one of the most notable additions in many years to the really fine in rock garden plants. Exceptionally hardy and easily grown, it has brought the highest praise from all who have seen it. It has many leaved rosettes of lanceolate leaves which cling closely to the earth. The stemless flowers come in such profusion as to completely hide the plant and are 1½ to 2 inches across, white, tinted pink. See beautiful picture opposite. 40 cts. each; 3 for \$1.

****Oppositifolia** has linear leaves, broadened at tip, and few in number. Stems 6 to 12 inches high arise erectly and bear a number of beautiful white flowers an inch across. A most beautiful little species. 15 cts. each; 3 for 40 cts.; \$1.50 per doz.

****Rediviva is Bitter Root.** Many slender, round leaves, an inch or two long, crown the root to make a dense rosette. Through these leaves arise many stems, each bearing a single flower. The flowers are white to pink, an inch and a half across and have the satiny texture of the *Cactus* flower. An admirable species and most effective in little raised pockets in the rock garden. See picture, page 35. 25 cts. each; 3 for 60 cts.; \$2 per doz. Seeds, pkt. 25 cts.

Chihuahua, Mexico: "The plant on my order came in splendid condition, much better than any I have received from the East. Thank you very much for the extra ones. I am sorry that I did not discover you earlier."

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* Indicates plants well suited to rock gardens.

** Indicates plants suited to the rock garden only.



Heuchera (Coral Bells)



Iris cristata



Helianthemum

CALIFORNIA NATIVE IRIS

The world offers no lovelier iris than these natives. Excellent in rock garden, shaded border, fern bed or woodlands. Long glossy evergreen leaves in cascading masses make the plants striking at all times while no iris has more daintily lovely flowers. Pl. fall to spring. Light to deep shade, clayish or loam soil rich in acid humus with good moisture.

SEEDS: Easy from seeds sown Feb. to Aug. where to remain or in pots. Seeds of species marked with (†) Pkt. 25 cts. Special Mixture of many kinds, Pkt. 25 cts.; ¼ oz. 60 cts.

*†**Californica Varied.** 8 in. Varied in many rich shades, no two alike, in blues, yellows, bronzes, violets.

*†**Californica Blue.** 6 in. Rather dwarf with deep blue flowers.

*†**Douglasiana.** 12 in. A bold species with broad evergreen foliage and creamy flowers. Of very easy culture.

*†**Hartweggii.** 6 in. Sparse bluish foliage and soft yellow flowers.

*†**Purdii.** 8 in. Glossy deep green foliage and handsome, creamy flowers, tinted yellow and purple veined.

Tenax. One of the most dwarf of all iris, 3 inches high, with reddish-purple flowers. Quite striking. Like moist loam.

*†**Watsoniana.** 12 in. Broad soft green leaves and rich deep blue flowers. In rich moist border they grow to 18 in. and are highly effective. Quite easy to grow.

Prices of above. 25 cts. each; 3 of one kind, 60 cts.; doz. \$2. Your choice 3 each of 4 kinds for \$2.35.

OTHER IRISES

PEACOCK IRIS—Iris Fimbriata. Hardy in Calif. only. In East an evergreen house plant. Flower stems come in Feb., are much branched and bear small orchid-like flowers of lilac and gold in profusion for many weeks. Dainty cut flower. Shade, any moist soil. Each 30 cts.; 3 for 65 cts.

***IRIS Cristata.** 3 in. A gem for the shady rock garden or shady bed with rich amethyst flowers in May. Prefer a moist loam. Choice. 30 cts. each; 3 for 65 cts.

IRIS Foetidissima. Gladwyn. Masses of luxuriant deep green foliage two ft. tall. Flowers inconspicuous but followed by very ornamental bright red seeds which may be cut and kept for months as everlasting. 50 cts. each; 3 for \$1.15.

IRIS Siberica Perry's Blue. 40 in. Splendid border iris with large flowers of clear sky-blue. 30 cts. each; 3 for 75 cts.

***IRIS Tectorum.** Japanese Balcony Iris. 12 in. tall with delicately crested blue flowers. Excellent for rock garden border or moist wall. 40 cts. each; 3 for \$1.00.

IRIS Pseudoacorus Gigantea. Its brilliant emerald green foliage makes it one of the finest background plants I know either sun or shade. May be grown directly in stream or pool. 50 cts. each; 3 for \$1.25.

WINTER FLOWERING IRIS

IRIS Stylosa, the beautiful Algerian Iris, has charming grassy, evergreen leaves, and the most delightful, fragrant soft violet-blue flowers from mid-winter until spring. Hardy south of Philadelphia.

IRIS Stylosa Alba is identical, except it is an iridescent white.

Either in strong plants, 40 cts. each; 3 for \$1; \$3.50 per doz.

***HEUCHERA, Alum Root.** Thriving in any well drained soil, sun to deep shade with lovely begonia-like foliage and filmy flowers, they meet every need for a fine low plant.

***Micrantha.** Lovely begonia-like foliage that attains deep bronzy shades in winter. Filmy white flowers.

***Rubescens.** Spread by underground stolons to form broad masses. The pretty pink flowers are most lasting.

***Sanguinea. Coral Bells.** Bears panicles of rich coral bells in profusion in spring and often again later.

All Heucheras: 25 cts. each; 3 for 65 cts.; \$2.00 per doz.

***HELIANTHEMUM "Sun Rose."** Showy trailing, small evergreen shrubs, which from May to July are almost hidden with flowers, like little single roses. Showy, long lived, drouth resistant, they are excellent for rock garden, front line effects on rock walls, and for covering difficult banks, etc. Sit., sun; Soil, any, but best a deep well drained one; Pl., fall to spring. Shear half back after blooming. Prop., cuttings. Following include the finest of the new varieties:

American Beauty. Very large bright rose flowers.

Appeninum Roseum. Strong grower with large soft pink flowers.

Apricot. Luxuriant foliage and very large soft apricot.

Ball of Gold. Soft yellow with full double flowers.

Boule de Feu. Full double deep red. Very fine.

Dazzler. Strong, attractive foliage and vivid blood red.

Goldilocks. Very large flowers of brightest yellow.

Flame. Luxuriant soft foliage. Very large brilliant flame-pink flowers. Superb.

Mitchell's Red. Very large bright red flowers. New.

Rose Queen. Very large flower of glistening pink.

St. Mary's. Very large pure white. New.

Seattle. Very large flowers of rich apricot-bronze. New.

Prices: 30 cts. each; any 3 for 75 cts.; per doz., 3 or more of 1 kind, \$2.50. Fine Mixture, \$2.25 per doz.

Collection. 1 each of 12 finest varieties for \$3. 1 each of 5 varieties, my choice, for \$1.20.

Seeds Mixed, saved from finest named varieties, pkt. 25 cts.

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** Indicates plants suited to the rock garden only.

HEMEROCALLIS

HEMEROCALLIS, Day Lily; Lemon Lily. Beautiful and thoroughly reliable old time favorites belonging to the lily family. They are perfectly hardy anywhere and as they stand much heat are especially valuable in the South and in California. They stand much moisture, even to being partially submerged which makes them ideal for stream-sides and at margins of ponds. Cult: Best in partially shaded situations but do well in full sun. To have them at their best a rich moist soil is essential, yet they will stand much abuse. Pl., fall to spring. Divide every four years. I send plants that flower the first year but they are not at their best until the second. As each variety flowers at a different date, you should plant a wide selection of varieties to prolong the bloom.

NEW INTRODUCTIONS AND SUPERFINE VARIETIES

Bay State. 45 in. July-August. Very large deep yellow with delightful fluted petals. Splendid. 75 cts. each.

Burbank. 30 in. July. At last a few plants of this rare and almost lost variety. Soft lemon, long slender tube, petals recurved on upper third; fragrant. \$1.50 each.

Calypso. Without question one of the very finest; in fact a foremost authority on Hemerocallis so rates it. Grows to 42 inches high with flowers 5 to 7 inches across. The petals recurve broadly from the base, the larger petals wavy on upper margin. Color is light canary yellow, with a fine satiny sheen. In milder climates it has flowered from July to December. Usually flowers late July. 50 cts. each; 3 for \$1.25.

Cressida. Large blooms of deep orange. Each 75 cts.

Fulva Rosea. A blending of orange and burnished copper with a decided rose tone at center. Each 75 cts.

Gold Imperial. A splendid recent European introduction of medium height, with the flowers very large, much recurved and of pure gold, with a beautiful satiny sheen. An unsurpassed mid-season bloomer. 75 cts. each.

Hyperion, a magnificent variety, which in rich moist loam grows to 45 inches in height, the flowers 5 to 7 inches broad, with a satiny sheen and a clear, medium canary. \$1 each.

Maggie Perry. 48 in. July-Aug. Very large, deep orange-scarlet. The nearest red of day lilies. 75 cts. each.

Mikado. 30 in. July. Two-toned, bright orange-yellow with a soft deep red zone. Splendid. 75 cts. each.

SUPER HEMEROCALLIS COLLECTION: From my large private collection of super-fine varieties and the above I will send 10 plants, 1 each of 10 varieties, labelled \$4.50; 5 varieties, \$2.50. This is a super-value.

HEMEROCALLIS VALUE COLLECTION OF 10 SORTS. One each of 9 finest old and new varieties and one lovely Calypso for \$3.00.

HELLEBORES

HELLEBORES, Christmas Rose; Lenten Rose. Hardy perennials admired for their attractive early flowers and for their handsome leaves. There are two quite distinct types. **H. Orientalis Hybrids, the Lenten rose,** have many large palmate leaves, rising from a heavy root to make a bold evergreen clump, 18 inches high and as wide in old plants. Once established they continue for years. The flowers are in many beautiful shades and often 3 inches across. They last fresh for many months, here in California from October to April and in colder regions each milder spell in winter brings out the buds. I imported from Millet of France his finest varieties and these are now ready to sell. My collection of over 25 named varieties is doubtless the largest in America and here conditions for their growth are unusually good. Cult: They thrive in ordinary garden soil but for best results use rich loam and coarse sand, with a top dressing or rotted manure. A moist well drained, partly shaded situation is preferable. In California give rather deep shade. I offer the following Millet Hybrids:



Hemerocallis, Mikado

HELLEBORE ORIENTALIS VARIETIES

Baroness. In this the background is greenish-white, but it is so closely flecked with purplish mauve as to appear a solid color. Very fine. \$1.25 each.

Delicatissima. Very free blooming, large flowers, white pencilled and flecked with a beautiful rose. Extra strong plants. \$1 each; 6 for \$5.

Aviator Vedrano. Splendid deep rose. Supply very limited. \$3.00 each.

Grandiflora robusta. Largest and finest of all. Rich deep rose. Rare. Two plants only at \$5.00 each.

Note: If interested in fine varieties previously offered a few plants are available and will be priced on application.

Orientalis Hybrids Mixed in lovely shades. Extra strong 4-year-old at 75 cts. each; \$7.50 per dozen. Fine, but smaller plants, most of which will flower, 60 cts. each; \$5 per doz.

***HELLEBORE Niger Praecox. The Christmas Rose.** Entirely different from the preceding. Their habit is much lower and the leaves deeply lobed and glossy. The flowers are pure white, turning pink as they age. Large plants \$1.50 each.



California Native Iris (see p. 20)



Lilies of the Valley

LILY-OF-THE-VALLEY clumps have been hard to secure for several years. I now have a fair supply. They require a light to medium shade and a rich, loose soil kept moderately moist. Well-rotted manure and leaf mold should form at least a part of it and I think that the best of soils is a sandy loam so enriched. The beds should be top-dressed with well-rotted manure every fall. They should be reset about the third year, and the fall is generally considered the best time for resetting. Clumps of several pips, or growing buds, 30 cts. each; \$3 per doz.

***LINUM Narbonense.** The many slender erect stems, 18 to 24 inches high, bear large sapphire blue flowers from June to September. The flowers do not drop each day, but last for several days, remaining open all day. The finest large flax and a real beauty. 25 cts. each; 3 for 60 cts. Seeds, pkt. 25 cts. Sun, any soil.

TURFING DAISY—*Matricaria Tschitatchewii*. White daisies on 4 in. stems stud the green turf-like mats. Effective as lawn or carpet, or on bank or ledge. Established, stands drouth and poor soil. Set small divisions 12 in. apart. Divisible plants, 30 cts. each; 3 for 75 cts.; doz. \$2.50.

MERTENSIA Virginica—Bluebells. For cool moist woody beds with well drained acid loam it is a delight. The 10 in. branched stems bear clusters of porcelain-blue bells in spring. Plant Sept. to Mar. Cover dormant roots 2 inches. 25 cts. each; 3 for 65 cts.; doz. \$2.50.

***MONARDELLA villosa**, of the Mints, is one of our finest late flowering Californian plants in hot dry situations. Forms broad mats from which arise very many 8-inch stems bearing lavender flowers from July to Oct., the flowers somewhat resembling a verbena. Most valuable for hot dry spots in the rock garden where a fine mass of bloom is of great beauty after spring bloom wanes. Cult: Sun. Soil, any even to gravelly. Pl., fall to spring. Prop. Divisions. 25 cts. each; 3 for 65 cts.

HORNED POPPY is *Glaucium flavum tricolor* and no plant that we grow pleases visitors more or gives more effect for so little trouble. The foliage is pretty and plant stout and much branched, carrying very many showy flowers from a clear yellow to flame color through a long period. After bloom cut it back and another crop comes and then a third. Heat just suits it, it is one of the very best drouth resisters. An average plant is 3 ft. high and as broad and in flower there is no more brilliant effect. 25 cts. each; 3 for 65 cts.; \$2.50 per doz. Seeds, pkt. 25 cts.

***NEPETA Glechoma.** 2 in. high with deep green foliage and blue flowers it spreads rapidly to make a carpet. One of the best ground covers under trees. Stands poor soil and minimum of moisture. Plants 25 cts. each. Small sections for carpeting, \$5 per 100; plant 12 in. apart.

***NIEREMBERGIA rivularis.** From a dense carpeting mantle of spoon-shaped leaves many 3-inch stems arise, each bearing a 1-inch creamy cup-shaped flowers with yellow centers. Flowers all summer. Most choice. Cult: Sun, light soil. Pl., fall to spring. 30 cts. each; 3 for 65 cts.

OENOTHERA, Evening Primrose. Among this varied genus are a number of American species which form low masses and which are very fine for the rock garden. I do not know anything more lovely than *Oe. America* or *Oe. Missouriensis* in a deep pocket unless it is *Oe. Caespitosa*. The flowers open at dusk and last until the next noon.

***Burbanks America.** An introduction of the late Luther Burbank. It has a deep seated root, not spreading, and the few branches, eventually long and trailing, bear many pure white flowers 5 inches across from May to frost. As they fade they turn pink. Quite rare. I have a splendid stock this year. 50 cts. each; 3 for \$1.25.

***Missouriensis.** From a central deep seated root many leafy prostrate stems spread, eventually to make a clump up to 2 ft. across and 10 inches high. The flowers are 3 to 5 inches across and the most lovely clear yellow I know. See cut, page 27. 25 cts. each; 3 for 60 cts. Seeds, pkt. 25 cts.

***Tetraptera** is a South American species with deep seated root and a few rather openly leafy ascending stems, bearing pure white flowers two inches across. Very floriferous through the long season from May to October. 25 cts. each; 3 for 65 cts.

Culture: Soil, any but preferably a good loam. Will stand much heat and drouth but it is with moderate moisture that they show their real beauty. Pl., fall to spring. Prop., seeds.



Oregon Sunshine

"SOMETHING NEW UNDER THE SUN"

***OREGON SUNSHINE.** Not really new, for this superb plant has adorned the slopes of Oregon and California for ages, yet it has been almost entirely overlooked by man in his quest for fine garden flowers. Entirely hardy anywhere in the U. S. and most drouth resistant. Thrives in any well drained soil (even the poorest) in full sun, and may be planted either fall or spring. The basal tuft of evergreen foliage is neat throughout the year and from this arise in May many 12 to 15 in. stiff stems which are crowned throughout the long summer with masses of the most delightful golden yellow daisies. Fine cut. You will adore it. (Botanically, *Eriophyllum lanatum*.) Strong plants, 25 cts. each; 3 for 65 cts.; \$2.50 per doz. Seeds, sown in fall flower the next summer, pkt. 25 cts.

PENTSTEMON—Native Californian. Natives of hot dry banks, when once established there is no plant that gives a longer early summer bloom in driest situations but give them moderate moisture in border, on banks or in rock garden and they excel and seem never out of bloom from May on. Any well drained soil. Pl. fall to spring. Prop., seeds.

***California Blue Bedder** (*Heterophyllos* var. *Purdyii*), recently named in my honor, I discovered years ago and sent out under the very appropriate name, "California Blue Bedder." It is a decumbent form found only in my immediate locality and is particularly suited to rock gardens. Makes a low mass 5 to 8 inches high and if not allowed to seed, from May through the entire summer, produces great quantities of blue to pinkish lavender flowers of great beauty. 25 cts. each; 3 for 45 cts.; \$1.50 per doz. Seeds, pkt. 25 cts.

Heterophyllus "Erectus," has all of the charm and beauty of California Blue Bedder, but is of erect habit, making it a most fitting plant for the hardy border. 12 to 18 inches high with blue flowers. 25 cts. each; 3 for 45 cts.; \$1.50 per doz. Seeds, pkt. 25 cts.

Laetus var. *Typicus*. 18 in. high, with slender erect stems and long spikes of deep blue flowers, with contrasting white stamens. A splendid garden and cut flower. Plants, 25 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

Hirsutus (Pubescens). A much neglected and very worth while species. From a base of ruddy lanceolate leaves 12 to 24 inches, stems arise, bearing very long panicles of soft porcelain blue flowers from June to September. Fine for a bold mass in the rock garden and a lovely border plant. 25 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

PHLOX—Perennial and Dwarf. See page 24.

***POLEMONIUM carneum.** A delightful native plant 12 to 20 inches tall; fern-like, pinnate foliage and graceful stems carrying large flowers, opening creamy or flesh color and soon turning to deep rose. Most beautiful of Polemoniums. Cult: A good moist loam. Prefers partial shade. 35 cts. each; 3 for 90 cts.

PRIMROSES or PRIMULA. See color, page 28.

***PTEROCEPHALUS** *parnassi* forms low dense clumps, grayish foliage and above this produces many lilac-pink, scabiosa-like flowers through the summer. Cult: Sun. Soil, any. Pl., fall to spring. Prop., div. 25 cts. each; 3 for 65 cts.

PYRETHRUM Roseum. "Painted Daisy." Enchanting garden and cut flowers with the large daisy-like flowers in mixture of loveliest shades of red, pink, white on slender 18-24 in. stems, May-June and again in fall. Sit., sun or light shade; Soil, rich, moist loam; Pl., fall to spring; Prop., Div. or seeds. **Supreme Single Mixed.** Plants 25 cts each; 3 for 65 cts. Seeds, pkt. 20 cts.; 1/8 oz. 50 cts. (A de luxe strain.)

SALVIA Greggii—Crimson Sage. Visitors here all like it and I know you will. Erect evergreen half shrub 3 to 4 ft. tall, with bright crimson flowers at tips of branches all summer. Any soil, stands drouth but finer with moisture. Pl. fall to spring. 30 cts. each; 3 for 75 cts.

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Rozelle Park, N. Y.: "You will doubtless be pleased to learn that the last lot of bulbs arrived on time and all did quite well. The purple Washingtonianum Lily had about a dozen flowers, and the Fairy Lanterns all did well."



Oenothera Missouriensis

SALVIA in Blue. Many people ask for blue flowers and there are no finer blues than in these Salvias. Gracefully branched woody plants with beautiful masses of flowers and very drouth resistant, except *S. patens*. Cult: Sun and any soil. Pl., fall to spring.

Azurea. With many stout and wiry stems this makes a bush-like mass with flowers of clear azure-blue after midsummer. 25 cts. each; 3 for 65 cts.; \$2.50 per doz. Seeds, pkt. 25 cts.

Bracteata Rosea makes a much branched plant, 3 to 4 ft. in height with heavy bluish basal leaves. On the branches are many lavender bracts which give the effect of flowers in June and July. Striking and a favorite with visitors here. 25 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

Farinacea Blue Bedder. This splendid new variety with its deep blue flower throughout the summer is indispensable in the border and a fine cut flower. It grows 2-2½ ft. tall with slender, wiry stems. 30 cts. each; 3 for 75 cts.; \$2.50 per doz. Seeds, sown early will flower first season, pkt. 25 cts.

Pitcheri, like *azurea*, but the splendid flowers are an intense deep blue. It blooms from August to frost. One of the best late fall flowers. 30 cts. each; 3 for 75 cts.

***SAPONARIA** *Ocymoides splendens* is a most useful plant. Makes a broad carpet, even to 3 ft. across, on the level, and, planted at top of walls will drape as much as ten feet in a year. The foliage is good and the show of pink flowers in spring very attractive. Splendid for dry banks. Cult: Sun or light shade. Soil, any, to poorest. Pl., fall to spring. 25 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

***SATUREIA alpina. Calamintha.** A splendid plant for sunny situations, 4 inches high with spreading mats of rounded leaves and deep blue, white tipped flowers from May to August. Cult: Sun and any soil. Pl., fall to spring. 25 cts. each; 3 for 65 cts.

***SATUREIA pygmaea.** Like a tiny erect shrub, 8 to 12 inches high, with narrow leaves of softest green and dainty flowers of shimmering clear pink in August and September. Cult: Sun and any soil to very poor. Most delightful. 40 cts. each.

***SATUREIA Intricata—Savory Scented.** Trailing evergreen branches curl and twist in an interesting fashion in early season and bear head of deep pink flowers July and Aug. Sun and any fairly moist soil. Nice. Each 35 cts.



PHLOX THOR

HARDY PERENNIAL PHLOX

One of the most valuable of flowers for summer bloom, giving unsurpassed mass effects in fine colors.

Give a well prepared and enriched soil and plenty of water and where there is much summer heat, a mulch of manure or peat moss is invaluable to protect their sensitive surface roots. Plant 16 in. apart. Here are unsurpassed old varieties and some of the finest new ones.

- B. Compte.** Wine color.
 - Baron von Heckner.** Delicate salmon-pink.
 - Champs Elysee.** Bright rose.
 - Coquelicot.** Red with salmon eye.
 - Colonial.** Lavender.
 - Dr. Chas. Mayo.** White with crimson eye.
 - Fuerbrand.** Brilliant orange scarlet, almost vermilion. One of most brilliant known. Flowers all summer.
 - Jules Sandeau.** Pink with white center.
 - Lothair.** Bright crimson.
 - Marechal French.** Massive flower heads, deep scarlet with blood red eye.
 - Mrs. Jenkins.** Immense heads of pure white.
 - Rheinlander.** Salmon pink with red eye.
 - Thor.** Splendid salmon-pink.
 - Special French.** An unnamed sort of beautiful clear pink.
- Phlox Prices: 25 cts. each; 3 of one var. 65 cts.; doz. \$2.25.

SUPERB NEW PHLOX

- Africa.** Brilliant carmine-red, blood red eye.
 - Daily Sketch.** Immense flowers, clear bright pink; carmine eye. Exquisite.
 - Brilliant.** Fiery scarlet, deep red eye.
 - Hauptman Koehl.** Immense trusses, deep blood red.
 - Lillian.** Delicate cameo-pink with a faint blue tinge at center. Very lovely.
 - Painted Lady.** Tall. Silvery pink with red eye.
- New Phlox: 30 cts. each; 3 of one kind, 75 cts.
COLLECTION: 2 each of above 6 for \$3.

***ASTER Alpinus Goliath.** In my rock garden and border in May and June nothing more attracts visitors than its showy 2 in. discs of bluish violet flowers on erect 10 in. stems. The low leafy basal mats of foliage are always neat and thrives in a mellow loam soil. 30 cts. each; 3 for 75 cts.

ASTER, "Burbank's Charming". Little did I dream when I introduced this as a novelty in 1929 of its increasing popularity from year to year or of the joy it would bring to countless visitors here in late August and September. Its stout bushes are 3-4 ft. tall, much branched with lovely arching one sided fan-like sprays of soft pink flowers; a stunning mass in any garden and most effective cut. 40 cts. each; 3 for \$1.00.



Phlox Subulata

LOVELY MOSSY PHLOX

- *Amoena.** Has a low mass of shining foliage with a wealth of delightful, bright salmon-rose flowers in May and at intervals through the summer. Cult: Sun to light shade. Soil, any but it is in good loam with abundant moisture that it is at its best. 25 cts. each; 3 for 65 cts.
- *Subulata, the Mossy Creeping Phlox,** of which finest varieties are described below, with its neat evergreen foliage and shimmering color masses is a high light for rock garden and low border. 4 in. high, a plant may be 2 ft. across. Cult.: Sun or light shade. Soil, any but best light. Withstands drouth. Shear each spring. Prop layers.
- *Blue Hill.** Compact; showy soft blue flower in spring and again in fall. Choice. 30 cts. each; 3 for 75 cts.
- *Leuchstern.** Very rare. It is of compact habit and flowers are bright salmon-pink. Each 50 cts.
- *Rosea.** Rose-pink and profuse. Stand drouth and is fine for covering banks. 30 cts. each; 3 for 65 cts.
- *Sensation.** Shimmering lilac. Very profuse and colors in winter. Strong grower. 30 cts. each; 3 for 65 cts.
- *Snow White.** Compact mounds of bright green, with large purest white flowers. 30 cts. each; 3 for 65 cts.
- *Vivid.** Brilliant pink with darker eye and in my opinion the loveliest and choicest. 40 cts. each; 3 for \$1.00.

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HARDY ASTERS

ASTER, Michaelmas Daisies. Lovely autumn flowering plants of inestimable value in the border and for cutting, or in a border all their own. In the mixed border they blend well with anything. Cult: Sun or light shade in warmer climates. Soil, any but a rich loam is best; ample moisture. Pl., fall to spring and most effective in groups of 3 or more of a kind. Prop., divisions, divide every year.

Novae Belgiae Asters make leafy, much branched bushes of soft and often ruddy tinted foliage and are literally smothered with flowers from Sept. to Nov. Here are some of the lovely new ones under trial here which we commend to you. They have the same profuse bloom as the Dwarf Aster pictured below smothering the 3 to 4 ft. plants.

Beechwood Challenger. Brilliant crimson red flowers freely produced on 3 ft. stems. The deepest red yet produced. 35 cts. each.

Blue Eyes. Long pure-violet blue rays surround the yellow center. The best tall blue yet produced. 4 ft. 35 cts. each.

Blue Gown. (New from England.) 4 ft. Very large flowers of a lovely clear medium blue. Each 35 cts.

Chamissonis. 4 ft. A very fine native California variety with sky blue flowers in great profusion. 25 cts. each; 3 for 65 cts.

Chas. Wilson. The very best bright red yet introduced. 35 cts.

Gayborder Blue. 4 ft. Semi-double rich violet blue. 50 cts.

Hon. Vic. Gibbs. 2 ft. Tiny blue flowers smother the plant, calling to mind a heather. 30 cts. each; 3 for 75 cts.

James Kelway. 4 ft. I imported years ago and it remains still the finest tall deep blue variety. 30 cts. each.

Mrs. Davis Evans. 3-4 ft. Luxuriant foliage and the large flowers a clear azure blue. Each 35 cts.

Pink Nymph. 4 ft. Flowers open rosy red later changing to bright pink. 35 cts. each.

Queen Mary. 4 ft. Large flowers are blue, tinted lavender in graceful panicles. Each 30 cts.

Royal Blue. 3-4 ft. Strong growing. Rich deep purple-blue, seemingly double at first but opening to form a distinct cup with gold disc at bottom. Stunning. 35 cts. each.

Violetta. Large flowers of violet-blue well spaced on stalk to give a profusion of bloom from top of plant to base. Exceptionally effective. 50 cts. each.

Your Choice, 3 each of any 4 above, 12 plants, \$3.

Collection, one each of above, labelled, for \$3.50.

DWARF HARDY ASTERS

These new dwarfs are compact, low counterparts of their taller sister. But 12 in. high they are shimmering mounds of color in Sept. Elegant for color hedges or edgings, in rock garden and in front of the tall ones. Effective in tubs and large pots.

Countess of Dudley. Clear pink. **Daphne.** Soft pink.

Lady Henry Maddox. Very delicate pink.

Nancy. Loose discs of true sky blue. **Niobe.** White.

Ronald. Dark rose buds opening to lilac pink. Stunning. 30 cts. each; 3 of one kind, 75 cts.

Collection of the 6 varieties, \$1.65. You will want them all.



Aster, Harrington's Pink

HARRINGTON'S PINK. The first truly pink Aster. Plants are 3-4 ft. tall and sturdy branches bear the huge blossom clusters. The picture supplies the rest of the adjectives. Truly superb. 60 cts. each; 3 for \$1.50.



Picture above, Dwarf Hardy Aster



Lewisia Rediviva

SAXIFRAGA Peltata. 3 to 5 ft. with very large round leaves of richest green terminating tall stems, it is of the finest of background or foliage plants for deep shade. Likes moisture and will grow in water. 50 cts. each.

***SILENE Californicum.** A sight indeed is mass of the cardinal-red flowers on a dry bank of a California roadside. Plants are a foot across and stems 8 to 18 in. high with masses of the brilliant flowers through the long hot summer months. Best light shade. The long root must be set with its tip covered 2 in. Any deep well drained soil. Plant fall to Feb. 25 cts. each; 3 for 65 cts.; \$2.50 per doz.

***SILENE Schaftii—Autumn Catchfly.** When flowers are so scarce July to Oct. it is a mass of bright clear pink. Plants 4-6 in. high. A very neat and charming rock garden and border plant. Sun, any soil, stands drouth. Pl. fall to spring. 30 cts. each; 3 for 65 cts. Seeds, pkt. 25 cts.

***SISYRINCHIUM, Blue Eyed Grass; Star Grass.** Dainty iris-like plants with grassy leaves and slender stems and many very pretty flowers. Cult: Sun. Soil, any loam with plenty of moisture during growing season. Pl., fall or spring, but better dormant in fall. Prop. Divisions.

***Bellum.** A foot high, with star-like blue flowers in April.

***Californicum.** A few inches high with rich yellow flowers from May to October. Require constant moisture.

****Grandiflorum,** the purple Star-Grass is 8 in. high with brilliant rosy-purple in spring.

Price of all is 25 cts. each; 3 for 65 cts.

***STATICE artica Californica. Sea Peak.** 6 in. Neat tufts of grassy foliage and bright pink flowers all summer. Fine for rock garden or edging. Sun. Soil, any. 25 cts. each; 3 for 65 cts.

THALICTRUM Dipterocarpum. 3-4 ft. The most daintily graceful tall plant I know. Elegant ferny foliage. Flowers in airy sprays are lilac-mauve lightened by lemon stamens, July to Oct. Light shade, well-drained rather heavy soil, constant moisture. Pl. fall to spring. Prop. seeds. Strong plants, 40 cts. each; 3 for \$1. Seeds, pkt. 25 cts.

GOLDEN THYME—Thymus aureus. This seems to be new in America. A rather compact creeper with bright golden yellow leaves. Mine never flower. Each 35 cts.

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THYMUS, Thyme. The dwarf (Thymes) are splendid creeping plants, fine between flagging, for a mantle over a rock or for edging the border and they make delightful masses in nooks among rocks. The taller ones are nice in the border and the herb garden. Cult: They thrive either in sun or light shade and in poorest soils. Pl., fall to spring. All flower in June and July.

***Albus.** Dense carpets $\frac{1}{2}$ inch high covered with pure white flowers in season.

Annie Hall. Very rare. Quite like T. albus but the bright green foliage carpet is smothered with bright pink flowers. 40 cts. each.

***Lanuginosa, the Woolly Thyme.** With its soft grey foliage it is most attractive as a mantle or in a pocket.

Nummularia. A very pretty almost unknown species with glossy deep green ovate leaves and pinkish flowers.

***Serpyllum coccineum.** Foliage is a low carpet of small dark green leaves. Flowers rosy-red in great profusion.

***Serpyllum, Purdy's var.** (right name doubtful), grows 2 in. high, spreading rapidly to make a dense mass and has lavender-pink flowers in a fleecy cloud. Always neat, it is alike valuable to drape over a bank or rock to even 3 or 4 feet down or to fill a pocket. Easily kept in bounds by trimming. A wonderful ground cover.

Except as noted, Creeping Thymes are 25 cts. each; 3 of any one variety, 65 cts. Collection of 5 vars. my choice, \$1.

TALLER THYMES. Neat specimen and edging plants.

***Lanicaulis.** Entirely distinct with leaves like tiny mouse ears in a flat mass while the very pretty flowers which are $1\frac{1}{2}$ inch balls of soft pink are on 6 in. stems. Very desirable.

***Nitida** makes a very compact, tiny tree-like shrub of greyish-green. Flowers are lavender and it has the most delicious fragrance of any Thyme, which alone should sell it. Fine in rock garden, herb garden or border. Cult: Sun. Soil, any. Pl., fall to spring. Prop. Cuttings. 25 cts. each. Seeds, pkt. 25 cts.



Thalictrum dipterocarpum

TRADESCANTIA. "Spider Wort." Handsome perennials, dependable and hardy and flowering for weeks through summer. Foliage is grassy while on 18 in. stems are borne the large clusters of flowers, which are three petalled open cups with a feathery tuft at center. Sun to deep shade and a rich moist loam is best. Exceptionally fine cut. Following new varieties are in lovely shades and much larger flowered:

Bluestone. Compact. Rich blue flowers. 35 cts. each.

Iris Prichard. White shaded violet with violet tuft. 40 cts. each.

Leonora. Deep rich glowing violet. 40 cts. each

Lilac Time. New and scarce. Pure deep lilac. 50 cts. each.

Pauline. Late. Purest rosy-mauve. 35 cts. each.

Purewell Giant. Largest flowered and strongest growing of all. Color is pure azure blue. 40 cts. each.

Purple Dome. Vigorous. Large clusters of rich purple. 35 cts. each.

Collection of 7 varieties, \$2.

***VERONICA Teucrium Nana.** A true dwarf with rich green prostrate foliage and true blue flowers just above the foliage. Rare. Each 35 cts.; 3 for 90 cts.

VIOLETS, Viola

VIOLA. In any garden Violas should have a conspicuous position, for the most modest are delights. Cult: Sun or light shade. Soil, a rich loam with constant moisture for finest effects. Pl., fall to spring. Seeds.

***Pedata,** the Bird's Foot Violet, is a gem. 4 inches high with leaves cut like a bird's foot. Large handsome flowers are a delightful shade of violet with lighter halo at center. They flower well in May, and several times through the summer. 25 cts. each; 3 for 65 cts.

***Pedata Bicolor.** Varies from Pedata in having the two upper petals deep violet, while the lower ones are lilac. Irresistible in its beauty. 35 cts. each; 3 for 90 cts.

VIOLA odorata, Sweet Violets. Lovely old-fashioned garden violets, thriving in any good light loamy soil in shade.

Double Russian. Rare. Fragrant double deep violet. 35 cts. each.

Czar. Very free flowering, single white. 25 cts. each; 3 for 60 cts.

***Marie-Louise.** An improved form of the lovely, old-fashioned, very fragrant, double light blue Violet. 25 cts. each; 3 for 60 cts.

***Rosina.** A new fragrant deep rose violet, flowering both spring and fall. Delights in light shade and good moisture. 25 cts. each; 3 for 65 cts.; \$2.50 per doz.

***Swanley White.** Makes strong clumps with large double flowers of purest white on long stems. 25 cts. each; 3 for 60 cts.

***Princess of Wales.** Very deep blue single flowers on long stems. Strong grower. 25 cts. each; 3 for 60 cts.

***CONFEDERATE VIOLET.** Really nice with large true violet leaves and large flower, white, veined heavily with lilac-mauve. Excellent in shaded bed, pots or in the rock garden. 25 cts. each; 3 for 60 cts.

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*WEST AMERICAN VIOLETS

The West has some forty species, all dainty and lovely, but owing to war conditions I am sorry I can now offer but three rather choice ones. All ripen to a tiny spidery root and must be planted Sept. to Feb. when dormant. In planting cover tip of root 1½ to 2 in. A rather firm soil is best for these. Ocellata must have shade, the others full sun. Nice in pots.

***Ocellata.** Forms clumps 5 inches across and as high of true violet leaves. Jaunty flowers are white with purple spot at center and purple back. Each 25 cts.; 3 for 50 cts.

***Chrysantha** has finely cut leaves. Flowers rich yellow within, maroon on back. A beauty. A customer in Virginia says it flowers all summer there. Each 20 cts.; 3 for 45 cts.

***Purpurea.** Rounded, grayish leaves. Rich yellow flowers, with the outside of flower a deep purple. A favorite. 20 cts. each; 3 for 45 cts.

One dozen of any of above (no assortment allowed) \$1.50.



Sempervivums

SEMPERVIVUMS, "Hen and Chickens"

Sempervivums are intriguing little plants for rock garden, for walls or for special little colonies and every garden has a place for some of them. Cult: Perfect drainage. Sit: Sun or shade but colored ones retain color longer in shade. Soil: A rich friable loam with some humus.

Unfortunately demand has diminished to the point where I cannot afford to catalog long lists of named varieties but for those who are still interested I still grow the finer varieties and have prepared a mimeographed list which will be sent on application to all interested.

COLLECTION, 20 FINE COLORED SORTS. Each highly colored, each named and packed separately, for \$6.00.

COLLECTION 12 SEMPERVIVUMS, each named and packed separately. Selected for well marked differences, for \$3.00. My most popular collection and if you list varieties you already have we will not duplicate.

ZAUSCHNERIAS are West American plants locally called **Wild Fuchsias.** They make dense masses of foliage from 6 inches to 2 feet high, according to species, and in fall are a solid mass of the most brilliant scarlet. Here they are oftener found on rock faces where there is a little seepage. Fine border plants, too.

***Californica** is about 6 inches, with light green foliage.

***Californica var.,** a little taller, with grayish leaves.

Cana grows from 1½ to 2 feet, with grayish foliage. A wonder when in flower.

All are hardy in Europe and presumably in the East. 25 cts. each; 3 for 65 cts.; \$2.50 per doz.



Primrose, Heavenly Blue

LOVELY PRIMROSES



Primula Helenae

ALLIUM Cernuum. "The Nodding Onion." The stems 8 to 12 in. high bear nodding heads of little bell-like soft pink flowers in summer. Likes woodsy soil and cool moist situation in shade. 3 for 25 cts.; doz. 70 cts.

***PRIMULA or PRIMROSES.** *Primula acaulis* is the English primrose and differs from the *Polyanthus* in having each flower on a separate stem and they continue to flower over a much longer season. They thrive in any situation in light or medium shade and in ordinary rich soil. Splendid alike in shady border and rock garden. Pl., fall or spring. I offer the following rare sorts:

***Primrose Heavenly Blue.** So rare and beautiful that they always attract. Of the *Acaulis* type with stems 6 to 8 inches with flowers in varying shades of very deep blue. 40 cts. each; 3 for \$1.

***Primrose "Double Lavender."** Of the *acaulis* type and very free flowering with very double deep lavender flowers. If you do not just love them on sight you will differ from every visitor to my gardens. 40 cts. each; 3 for \$1.

***Primrose Double Blush Pink.** Identical with the Lavender except it is a lovely blush. 40 cts. each; 3 for \$1.

***PRIMULA JULIAE HYBRIDS.** Little jewels, they prefer a moist loam and shade from sun in summer. They form spreading mats of glossy leaves and a profusion of starry flowers on 2-3 in. stems in spring and often again in fall.

***Helenae.** Very dwarf. Burgundy red flowers. 40 cts. each.

***Juliae.** Starry flowers of claret red with golden eye. Very low and truly a gem. 35 cts. each; 3 for 90 cts.

HARDY NATIVE FERNS

There has been so great a call for ferns that I list here the most dependable of our Western native species for the fern bed, naturalizing along streams or under trees. For an effective planting one must have color with the ferns as well as strong background plants and the following are all hardy, and well proven plants for this purpose. Columbines, Aconites, Lily of Valley, Michaelmas Daisies, Trilliums, Bog lilies, Aruncus, Aralia, and for foreground colonies of *Erythroniums*, native *Silenes*, *Synthyris*, and for carpeting, *Boykinia*, *Tellima*, *Tolmeia*, *Asarum*. Colonies of *Erythroniums* are very effective.

ADIANTUM Pedatum, Five Finger Fern. Well known and particularly lovely in the foreground. Splendid in pots or hanging baskets.

ASPIDIUM Munitum, Sword Fern. Dark green, evergreen frond that looks well at all times. Most satisfactory either in fern bed or in boxes or pots.

ASPIDIUM Aculeatum lobatum. The lace fern, and in my opinion one of our handsomest ferns, the fronds fine cut and most graceful.

ASPIDIUM rigidum. The Soft Brake of the florists, soft green in color and thrives well even in dry places.

The above can be supplied in three sizes: Small, 25 cts. each, 3 for 65 cts. Medium, 50 cts. each, 3 for \$1.25. Large, \$1 each, 3 for \$2.25; or \$2.00, \$4.00 or \$8.00 per dozen.

WOODWARDIA radicans. Giant Sweet Scented Chain Fern. Makes bold plants to 9 feet high of a soft green. One of the finest of background ferns. Large plants, 50 cts. each; extra large plants \$1.00. East of Rockies add 50% to price for postage.

PTERIS. The Brake. A very common fern yet one of the most pleasing of all with its soft green restful foliage. Each 25 cts.; \$2 per dozen.

Quantity prices on all ferns sent upon application.



Shasta Daisy, Esther Read



Shasta Daisy, Double Fringed

SHASTA DAISY Esther Read—*Chrysanthemum* Esther Read. A thrill will be yours when this blooms in your garden. The huge flowers of this first fully double Shasta Daisy are very lasting and are produced freely from June to Oct. on stiff 18 in. stems. An outstanding garden and cut flower of today. Each 60 cts.; 3 for \$1.50.

CHRYSANTHEMUM White Swan. The white flowers are formed much like those of Esther Read, but are smaller and more dainty, and stems are slender and wiry. Called Memorial Day Daisy because on that day one can usually cut 20 to 30 blooms from one plant. A delight in garden and cut. Visitors here love it. Cult., see Shasta Daisy. Each 35 cts.; 3 for 90 cts.

SHASTA DAISY. Superbly effective in the border or in long rows, nothing gives more bloom, either in the garden or for cutting, with so little trouble. Cult: Sun; fair to good loam. Pl., fall to spring. Divide every second year.

Shasta Daisy, "Double Fringed" or "Chiffon Daisy." 2 ft. high with very double flowers of pure white, the petals shredded, quilled, and incurved to give a most enchanting effect. Most effective as a cut flower. Strong plants 30 cts. each; 3 for 75 cts.; doz. \$2.50.

Shasta Daisy, "Burbank's Alaska". 18 to 24 in. high, of graceful habit. The pure white flowers are 4 to 5 inches across. 25 cts. each; 3 for 60 cts. Seeds, pkt. 15 cts.

LOVELY WESTERN PLANTS FOR SHADED BED AND WOODLAND

I group here our lovely Western foliage and ground cover plants suited to any well shaded situation and for color suggest a number of lovely things described on other pages. All thrive in a soil rich in humus, best acid and moderately moist.

ASARUM Caudatum—Ginger Root. Strong woodland creepers or ground covers with large heart shaped, ginger scented leaves like huge violet leaves. Fine with ferns. 20 cts. each; 3 for 45 cts.; \$1.50 per doz.; \$7.50 per 100.

ASARUM Hartweggii. The same large leaves, beautifully veined white. Each 25 cts.; 3 for 60 cts.

***BOYKINIA occidentalis** forms a neat clump with bright green, ivy shaped leaves. The flowers are filmy white panicles on stems to 18 in. and are fragrant. Admirable for heavy shade with moisture or on stream margins or in other moist spots. Flowers in May. Cult: Sun or shade. Soil, any if moist. Pl., fall to spring. Prop., div. 25 cts. each; 3 for 65 cts.

***OXALIS Oregona.** In the Redwood region of California it often densely carpets large areas in the deepest shade. Most useful to carpet shady places, either under trees or on north exposures and is a most lovely associate of taller woodland plants. To make a mass, plant the runners flat, covered two inches and ten inches apart. The large rose colored flowers are handsome. 20 cts. each; 3 for 40 cts.; \$1.50 per doz.; \$5.00 per 100.

SYNTHYRIS are delightful Western plants for shaded beds. The neat evergreen foliage clumps are always lovely.

***Cordata.** A few long cordate leaves, deep green above, purple beneath. The dainty pink flowers come in April-May. 25 cts. each; 3 for 60 cts.

***Rotundifolia.** No prettier woodland plant in foliage. The round leaves make a close mound a few inches high and the very many soft blue flowers appear in early spring. 25 cts. each; 3 for 60 cts.

SANQUINARIA Canadensis. "Blood Root." 4-6 in. high with lovely snow white flowers, followed by the large maple-like leaves of blue green. A jewel for the deeply shaded bed with ample moisture, acid soil rich in humus. Pl., fall or early spring; Prop., div. 30 cts. each; 3 for 75 cts.; \$2.50 per doz.

***TELLIMA grandiflora.** A Western woodland plant to be prized for its lovely begonia-like foliage and splendid for the shaded rock garden or with ferns. Makes beautiful clumps 6 in. high and a foot across. Cult: Any soil in shade. 25 cts. each; 3 for 60 cts.

TOLMEIA Menziesii. This hardy Californian plant has soft, green, heart-shaped leaves and creeps by underground runners to make broad low masses. A lovely foil or ground cover in the moist woodland garden. 25 cts. each; 3 for 60 cts.; \$2 per doz.

VANCOUVERIA Hexandra—"Redwood Ivy". Easily the prettiest of American foliage and ground cover plants. Perfectly hardy. Plants spread by slender underground runners and form a dense mass of very glossy pinnate leaves. Lay roots flat, covered 3 inches. 20 cts. each; 3 for 45 cts.; \$1.50 per doz.; \$7.50 per 100.

JACK-IN-A-PULPIT. Queer Eastern Calla-like plant for which I am often asked. 30 cts. each; 3 for 75 cts.

Color Suggestions for Shade: Erythroniums, Trilliums, Columbine, Polemonium, both Eastern and Western Lady-slippers, Iris, Trientalis, Delphinium nudicaule and Ferns. Blending fine with these the cultivated Aconite Primroses, Michaelmas Daisies and Violets.

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California Poppy

FLOWER SEED SPECIALTIES

While I am compelled to give up my general line of annual flower seeds, I do continue with a few choice strains my customers expect to get from me. On page 3 you will find the complete list of **California Wild Flower Seeds**. On page 12 **Carnation, Iceland Poppy, Pansy, Viola, Snapdragon**, my extra specialties, and below a few other choice strains.

ARCTOTIS Giant Hybrids. 15 in. 2-3 in. flowers resembling Transvaal Daisies on 12 in. wiry stems, varied in lovely creams, oranges, reds and very long flowering. Sow Sept. to June. **Pkt. 25 cts.**

CLARKIA ELEGANS Supreme Double Mixed. 2 ft. Justly popular garden and cutting annuals in exquisite shades of salmon, crimsons and pinks. Sow where to bloom Fall or Spring. **Pkt. 15 cts.; 1/4 oz. 25 cts.**

CANDYTUFT Umbellata Mixed. 18 in. Lovely shades of rose, lavender, reds and white produced in long succession through summer. Sow any month. **Pkt. 10 cts.; 1/4 oz. 25c.**

DAHLIA "My Choice" Dwarf Hybrids. 18 in. An improved strain producing a good percentage of doubles in a wide range of rich and unusual shades; reds, yellows, creams, buffs and many others in fine mixture. Sow boxes March-April. Blooms in 4 months from seed. **Pkt. 25 cts.**

ESCHSCHOLTZIA (California Poppy). Unexcelled for brilliant masses in any situation. Easy. Sow where to bloom early Spring, mild regions Fall to Spring. Thin to 12 in. apart.

Supreme Blend. 12 in. Rich new colors—soft pink, scarlet. Chrome, coppery-red, claret, royal purple and many others in balanced mixture. Erect type. **Pkt. 15 cts.; 1/4 oz. 40 cts.**

See Wild Flower Section for glorious native types.

HUNNEMANIA Sunlite—Mexican Tulip Poppy. 2 ft. Bears huge buttercup-yellow poppy blooms which smother the bushy plant from July until frost. Sow March-May; in mild regions in Fall. Drouth resistant. **Pkt. 15 cts.; 1/4 oz. 50 cts.**

STOCKS Double Perpetual Branching. Beloved free-flowering annuals for Spring and Summer bloom, this is the finest strain for garden and cutting and customers say my Stocks excel. Sow February-May. For Winter bloom in California and the South sow August-November.

Supreme Mixture of all shades, pkt. 15 cts.; 1/8 oz. 60 cts.



Virginia Stocks

VIRGINIA STOCK. 6 in. Lovely and so easy and if you sow a few seeds February-December you can have a continuous show, either in sun or shade. Shades of rose, red, white **Mixed pkt. 10 cts.; 1/4 oz. 25c; oz. 60 cts.**



Nierembergia Hippomanica

NIEREMBERGIA Hippomanica. 12 in. Dwarf, compact, flowering in a few weeks from seed, the large lavender-blue cups smother the plants throughout summer. For five years it has outsold any seed I handle. Sow in boxes in early spring. **Pkt. 25 cts.**



Stocks

CARL PURDY, Ukiah, Calif.

Name _____
(Say whether Mr., Mrs. or Miss; write name plainly)

Date 194.....

Check

[illegible]



Darlingtonia Californica

DARLINGTONIA CALIFORNICA . "Pitcher Plant" or "Cobra Plant"

This unique plant in nature lives almost entirely on insects caught in its tubes. Grown as pictured, in a dish of water and fed bits of meat, it will thrive indefinitely. Rare and interesting oddity for house and an exciting gift.

Each \$1.00; 3 (in one pkg.) for \$1.50; doz. \$5.00. Postpaid with full cultural directions. (Offered for indoor culture only.) Shipped Sept. to May 1.



Dormant Burl

One Month Later

CALIFORNIA REDWOOD BURLS

California's famous Redwood Trees produce on their limbs and trunk abnormal growths called Burls, which are masses of dormant leaf buds. When these burls are cut from tree and the cut surface placed in shallow water they put forth little evergreen branches, graceful as ferns, far easier to grow, and which develop and keep fresh for many months.

By simply renewing the water each day the Burls will be beautiful for a year, often longer, and this in a heated room or office, in sun or shade.

No more refreshing touch of green in the house during the long winter months can be imagined.

As a Living Gift, Burls are supreme.

Splendid Burls, each \$1.50, postpaid. (Require a 6-8 inch shallow dish.) Shipped throughout the year. Growing directions included.

SOME UNUSUAL SHRUBS AND VINES

As a rule shrubs are out of my line but I have growing here several lovely things that have greatly attracted visitors and as they are not found elsewhere I have propagated them to meet the demand. I feel that you, too, will want to know about them.

THIBETAN TREE HONEYSUCKLE. This lovely tree Honeysuckle came to me from Thibet and I have lost its name. I have always enjoyed it and visitors love it at sight. It makes a round headed deciduous tree 8 to 15 ft. high with refreshing soft green foliage and white flowers but the real glory is the brilliant coral red berries that smother it in autumn. Hardy and easily grown in any soil, sun or shade. **Fine plants.** Bare root Nov. to Feb. \$1.00 each, postpaid. After Feb. 15 in gallon cans, express collect.

CALIFORNIA REDBUD—*Cercis occidentalis*. A plant tourists come for miles to see in bloom. A truly magnificent shrub 4 to 8 ft. high and spreading. In May it is literally smothered with pea blossoms of deep rose. Hardy, in any sunny situation in well drained soil. **Plants:** 12 in. bare root, Nov. to Feb. 15. **Postpaid, 85 cts.** At other times in gallon cans, express collect, 85 cts.

MATILJA POPPY—*Romneya Coulterii*. Noble deciduous shrub with glaucous foliage and 4-5 in. pure white poppy flowers. Any well drained soil, moderate moisture. Sun. **For the East, postpaid, \$1.50.** West of Rockies, postpaid, \$1.15.

CALYCANTHUS Occidentalis—Spice Bush. Deciduous shrub 5-8 ft. tall with luxuriant bright green foliage and through summer has odd but attractive rich crimson blossoms. All parts very spicely fragrant. **Bare root, 18-24 in., Nov. to Mar. 1, \$1.00,** postpaid West of Rockies. **To East, postage extra, 37 cts.** Other months, in gallon cans, \$1.00, by express collect.

ROSA Spithamea. Creeping by underground runners this lovely native rose forms little scattered colonies. Never over 6 in. high, and its bright pink blooms are lovely. 50 cts. each, postpaid.

CARPENTERIA Californica. One of the finest of all evergreen flowering shrubs, it grows to 8 ft. Always attractive, its glossy deep green leaves, lighter beneath but when studded with its large anemone-like fragrant blooms of purest white in June-July, it is a glory indeed. Best light shade and deep well drained soil. **18-24 in. in gallon cans, \$1.25 each, express collect.** (Hardy on Pacific Coast and in South only.)

ARCTOSTAPHYLOS Stanfordiana. Lovely Mountain Manzanita with rounded bushes 3 to 6 ft. Bright green leaves are slender and pointed and flowers deep pink. Full sun; any well drained soil. **Shipped in Calif. only. Balled plants 6-8 in., postpaid, 75 cts. each.**

ARCTOSTAPHYLOS Nummularia. A gem you would not recognize as Manzanita. It forms a perfect mound 3 ft. high and as broad of tiny glossy deep green leaves, tinted red. Flowers are soft pink. Suited to cool situations only on Pacific Coast. Soil must be acid. **6-in. balled plants, 75 cts. each, postpaid.**

BITTERSWEET—*Celastrus scandens*. A splendid deciduous climber. Luxuriant emerald green leaves and brilliant berries in autumn. Likes cool situation, liberal moisture and liberal mulch of leafmold. **Strong 2-year plants, \$1.00 each, postpaid in West.** (To East, postage 37 cts. extra.)

AKEBIA QUINATA. "A Vine Supreme." Evergreen with slender twining stems and luxuriant growth of small five parted leaves of soft green. Its odd pastel rose bloom in spring are partly hidden by foliage but spicely fragrant for rods around. It thrives on hot south chimney in poor soil and a cold damp north side equally well. Not at all rampant, yet quickly covers the support provided. Nov. to Mar. 1, **bare root plants, postpaid, \$1.00.** In other months in gallon cans, \$1.00 each by express collect.



BRODIAEA—See page 4 for complete list.

1. Laxa
2. Candida
3. Bridgessii

4. Capitata
5. Coccinea
6. Douglassii

7. Volubilis
8. Lactea
9. Ixiodes

10. Grandiflora
11. Californica

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You will find those pictured together with many more equally as fine, described on page 6.

Brodiaeas are among the loveliest of cut flowers and they are among the most lasting of all cut flowers. They are most charming when placed in little colonies either in sun or light shade of deciduous trees and in little pockets in the rock garden. They must have good drainage but thrive in even the poorest of soil.

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